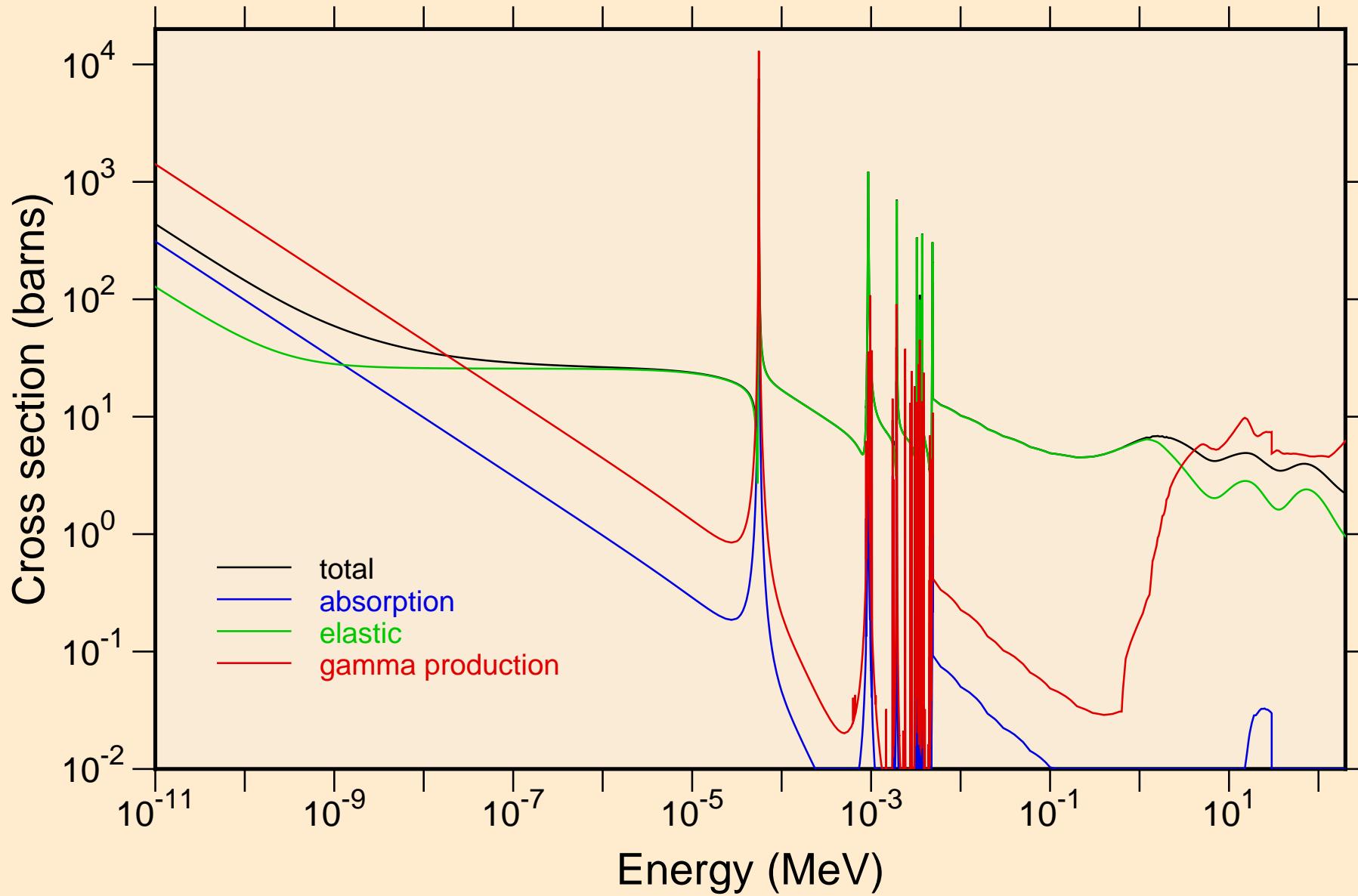
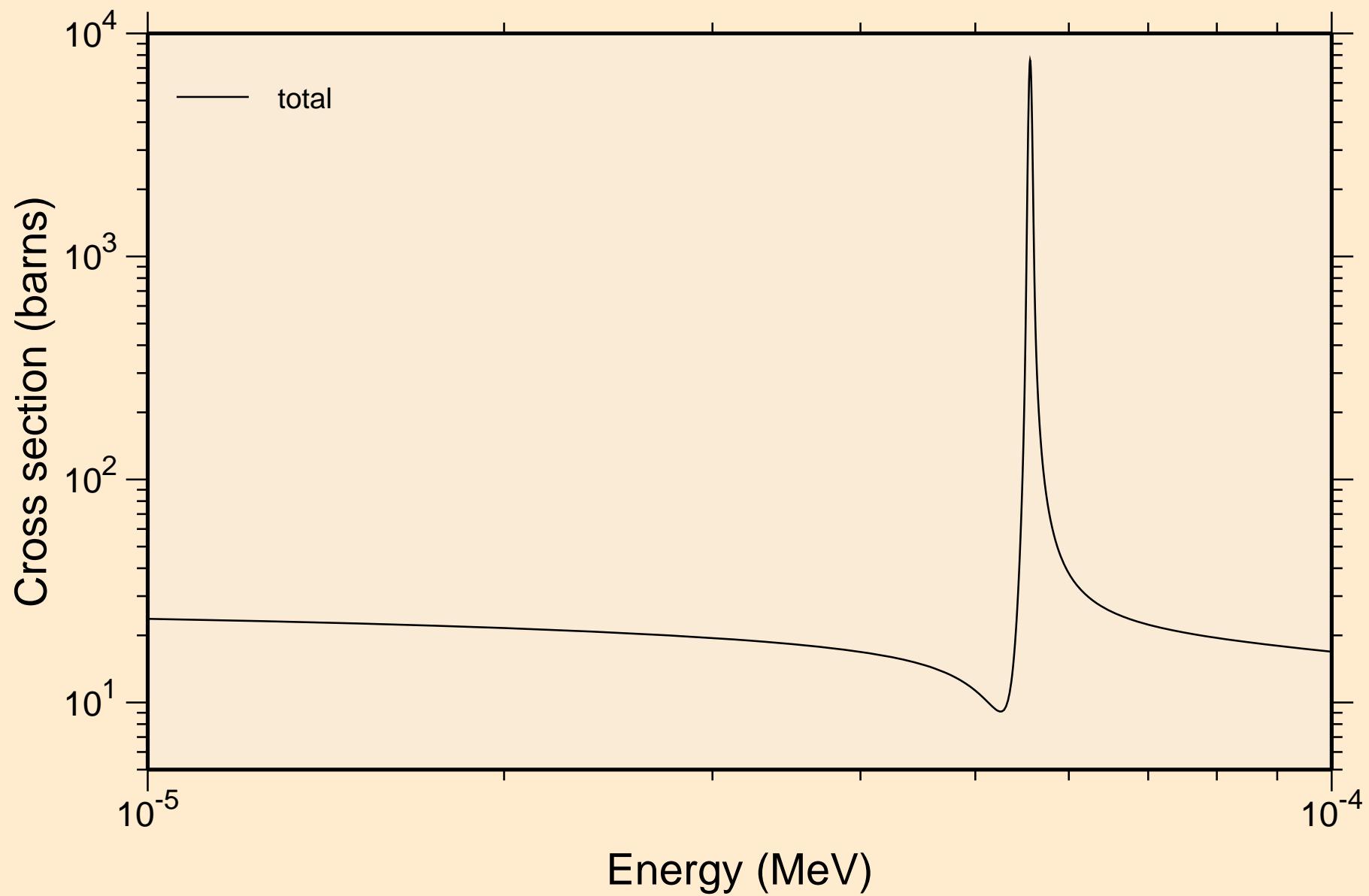


N-BA139 NRG TENDL-2017, AKONING

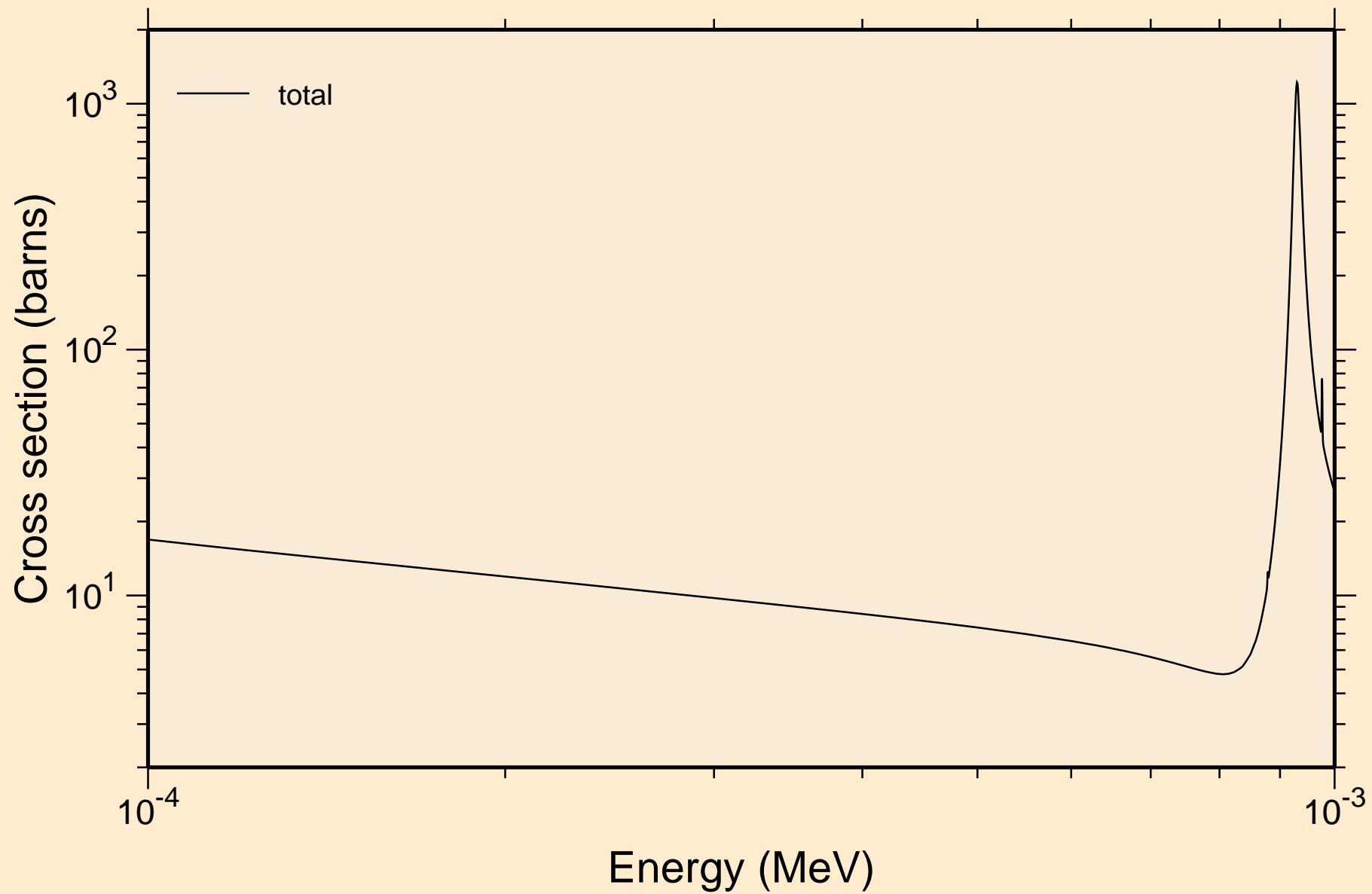
Principal cross sections



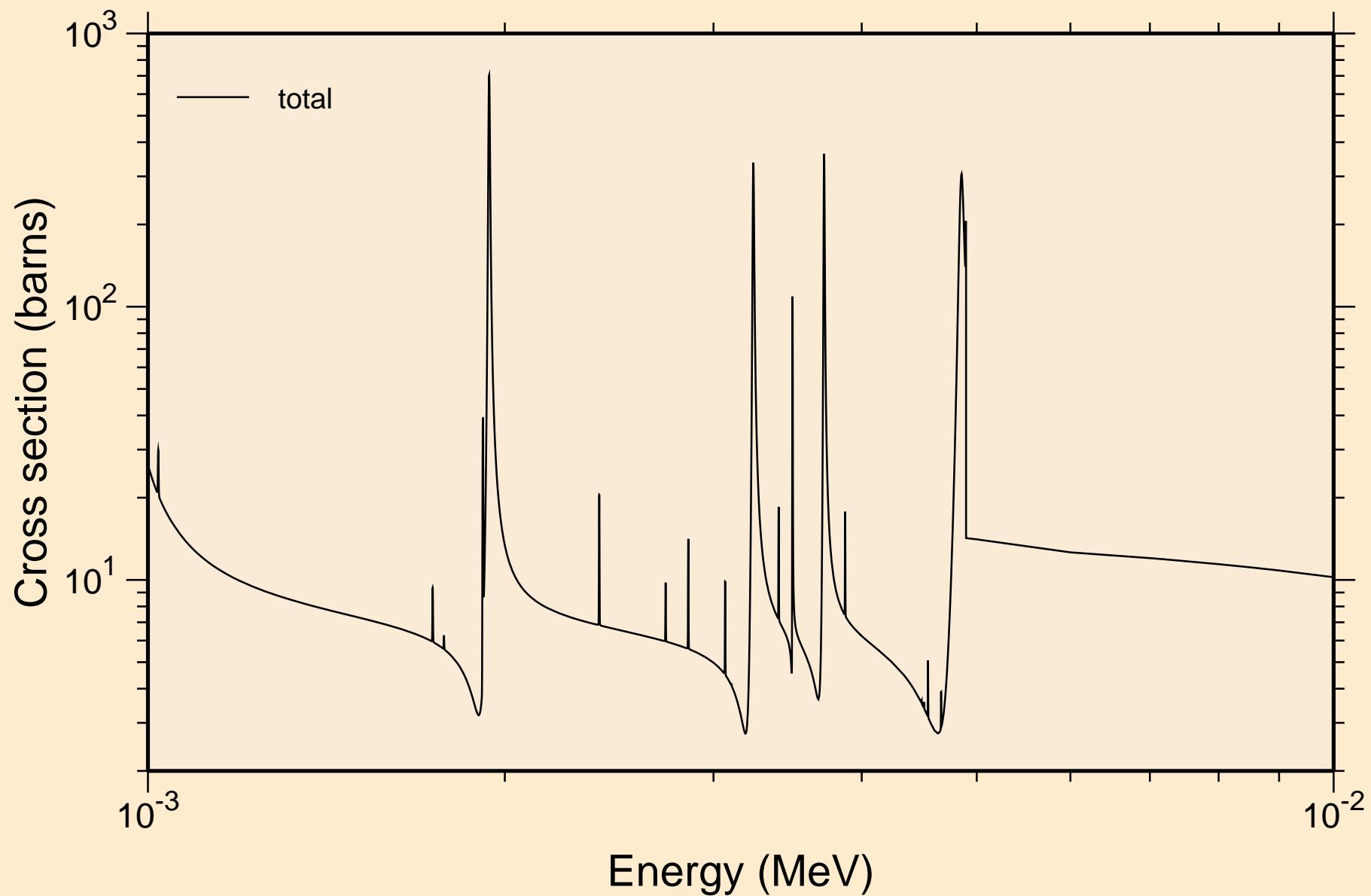
N-BA139 NRG TENDL-2017, AKONING
resonance total cross section



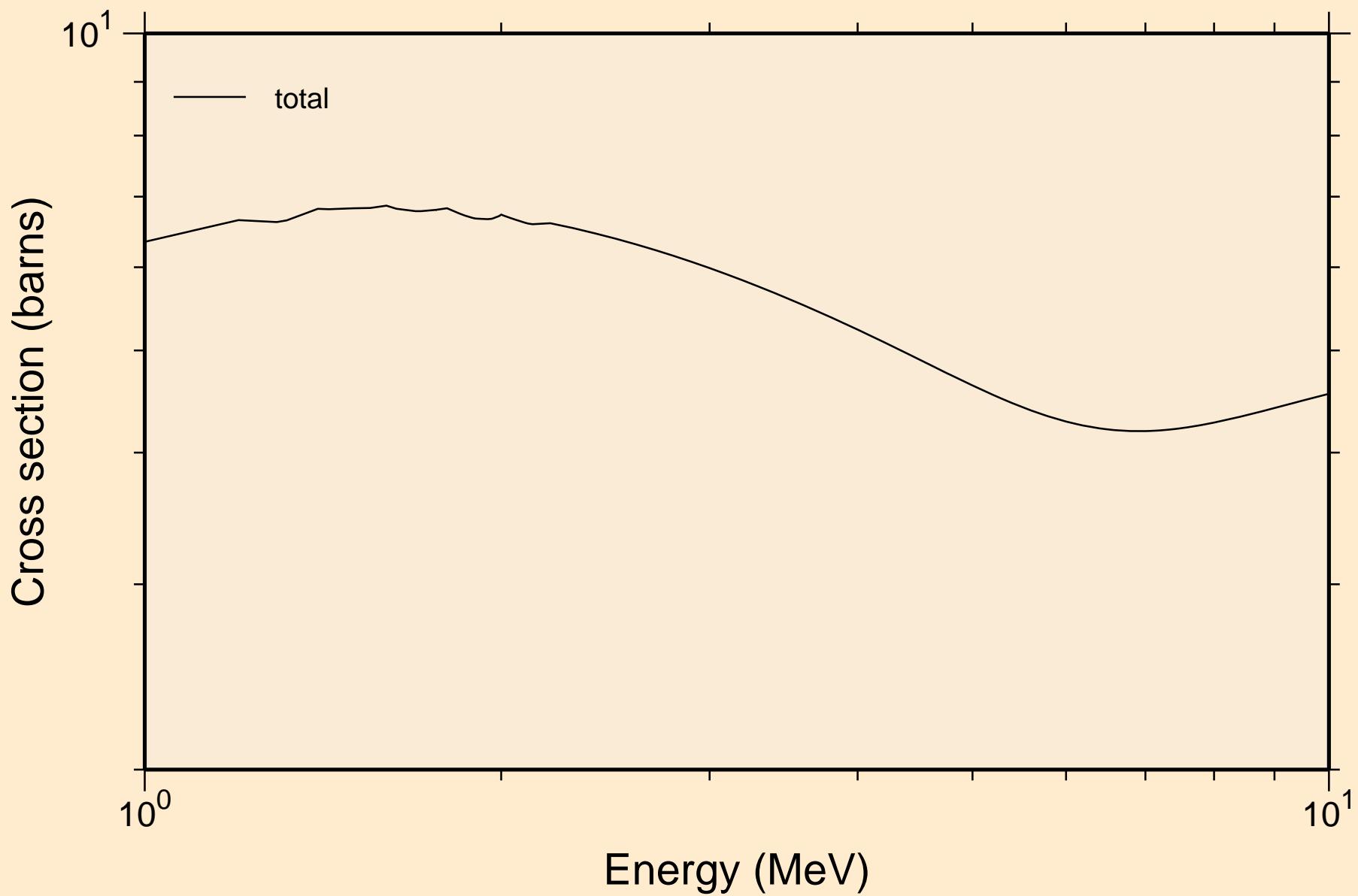
N-BA139 NRG TENDL-2017, AKONING
resonance total cross section



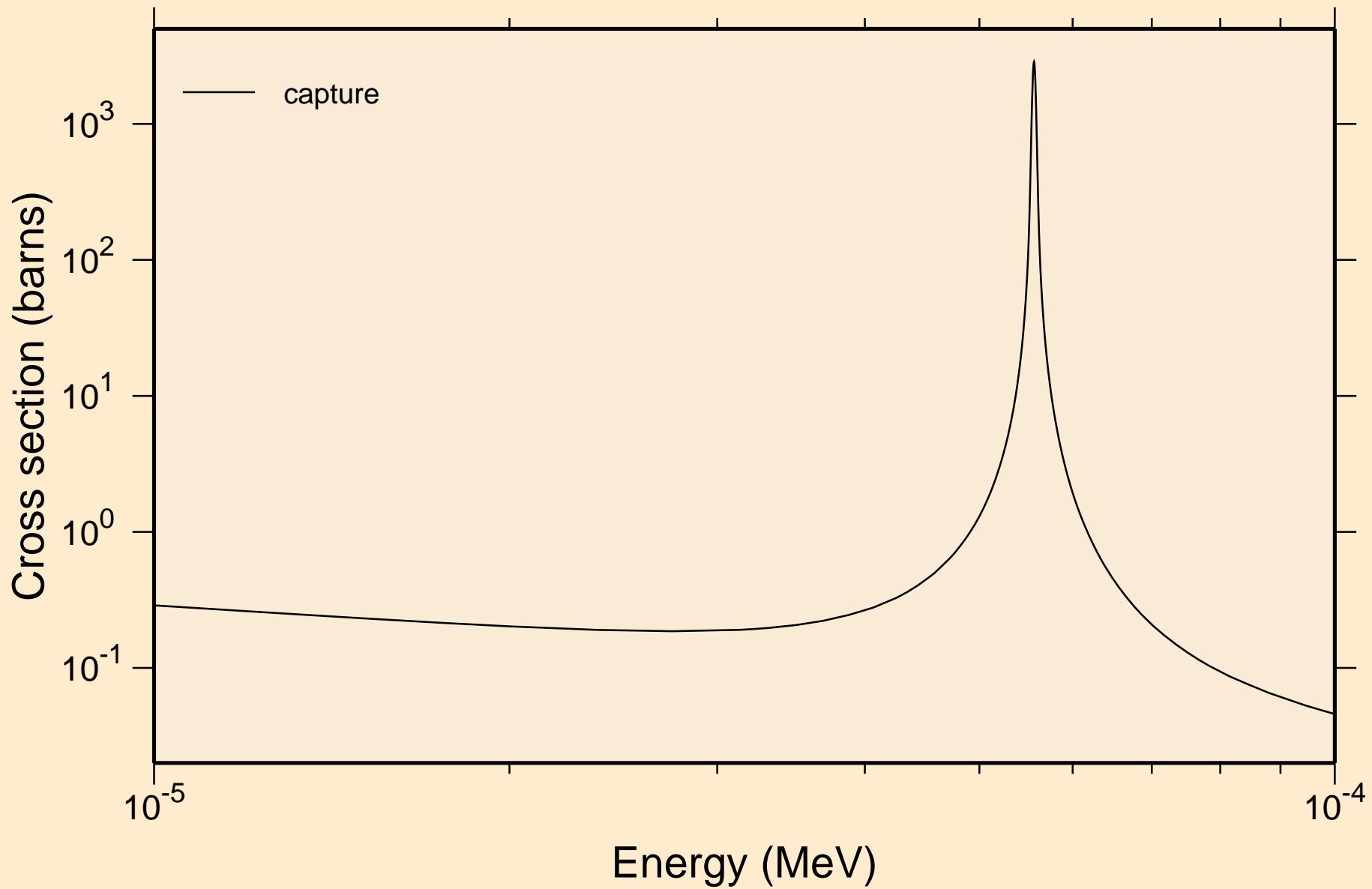
N-BA139 NRG TENDL-2017, AKONING
resonance total cross section



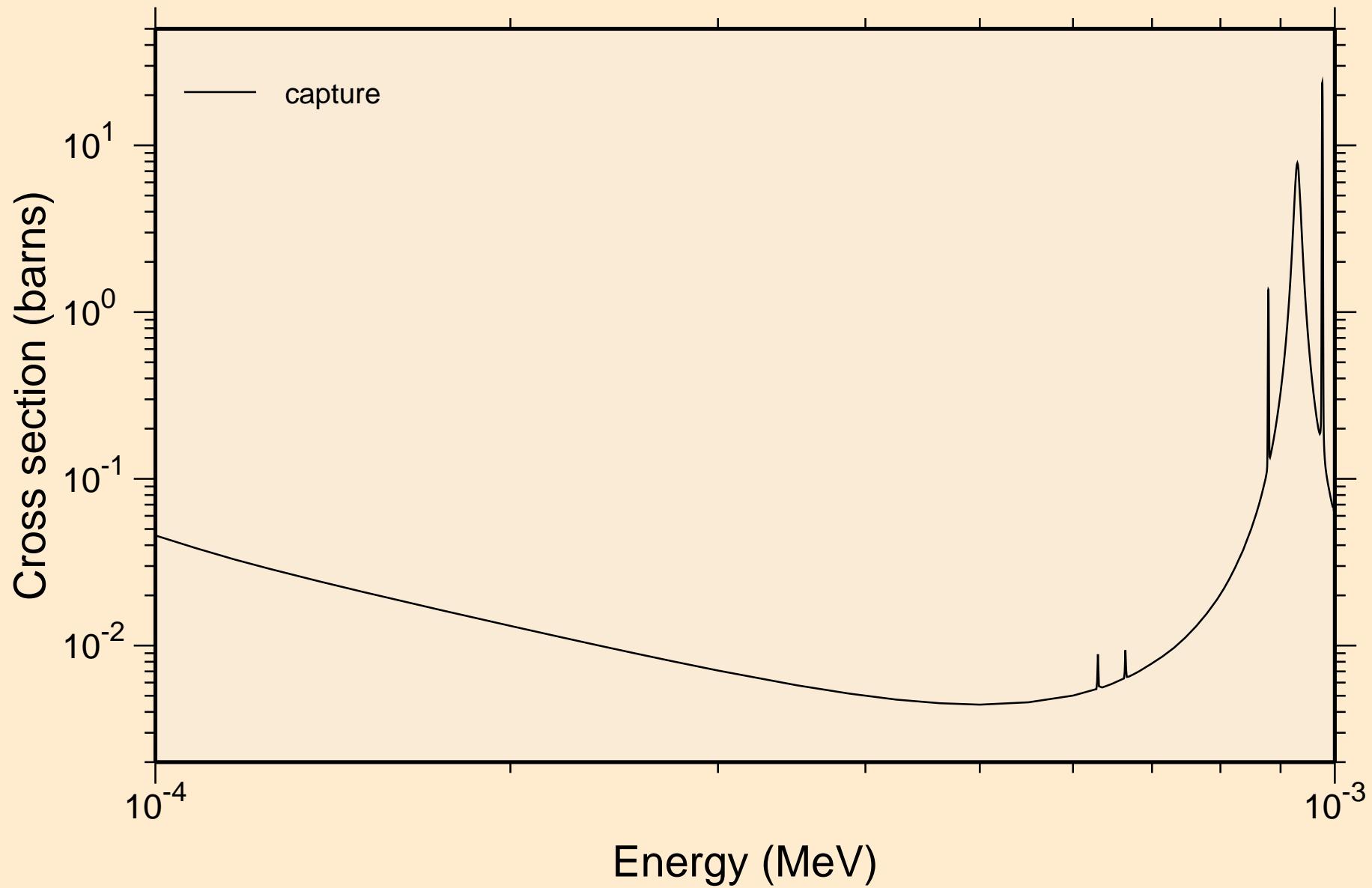
N-BA139 NRG TENDL-2017, AKONING
resonance total cross section



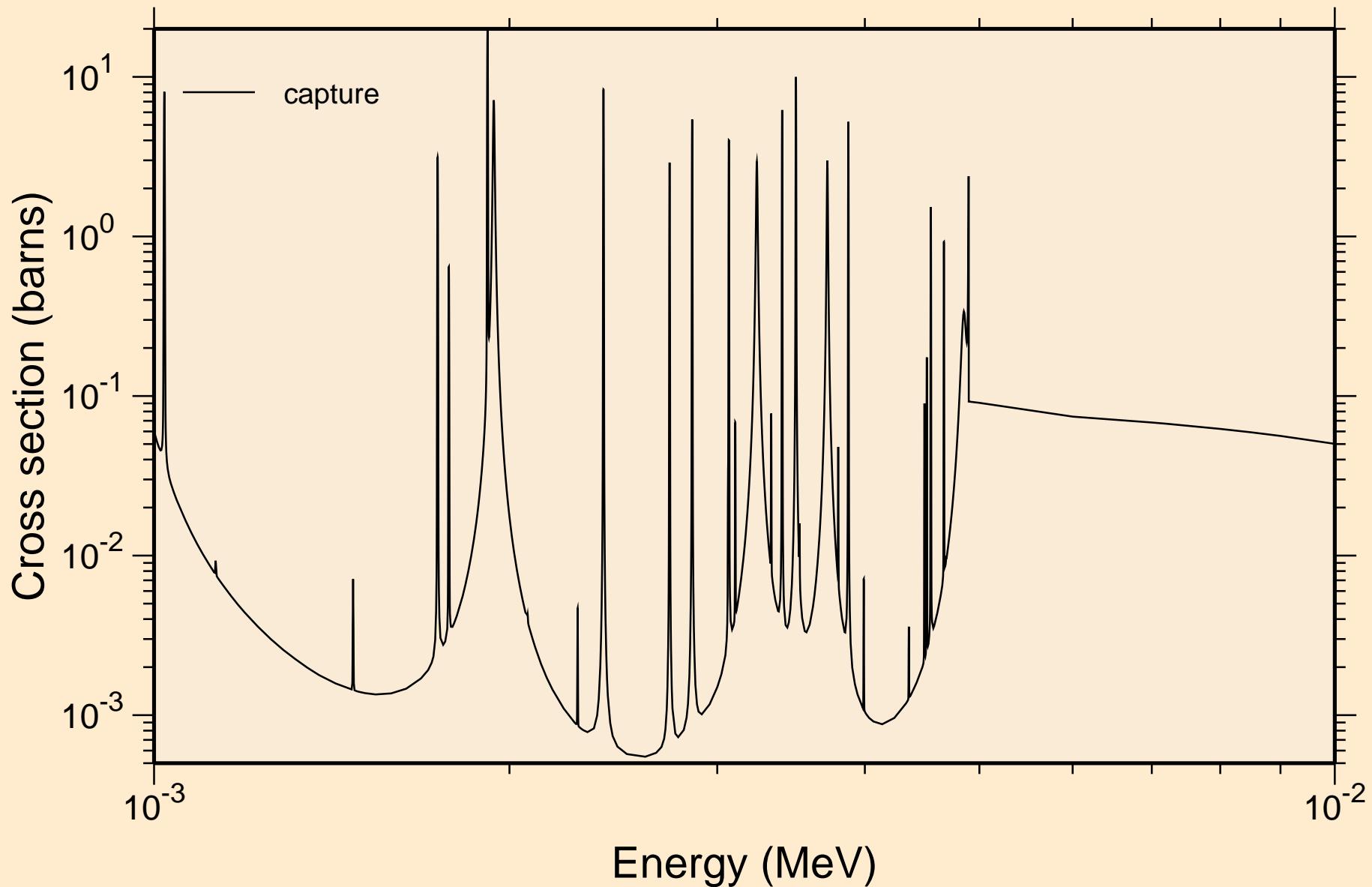
N-BA139 NRG TENDL-2017, AKONING
resonance absorption cross sections



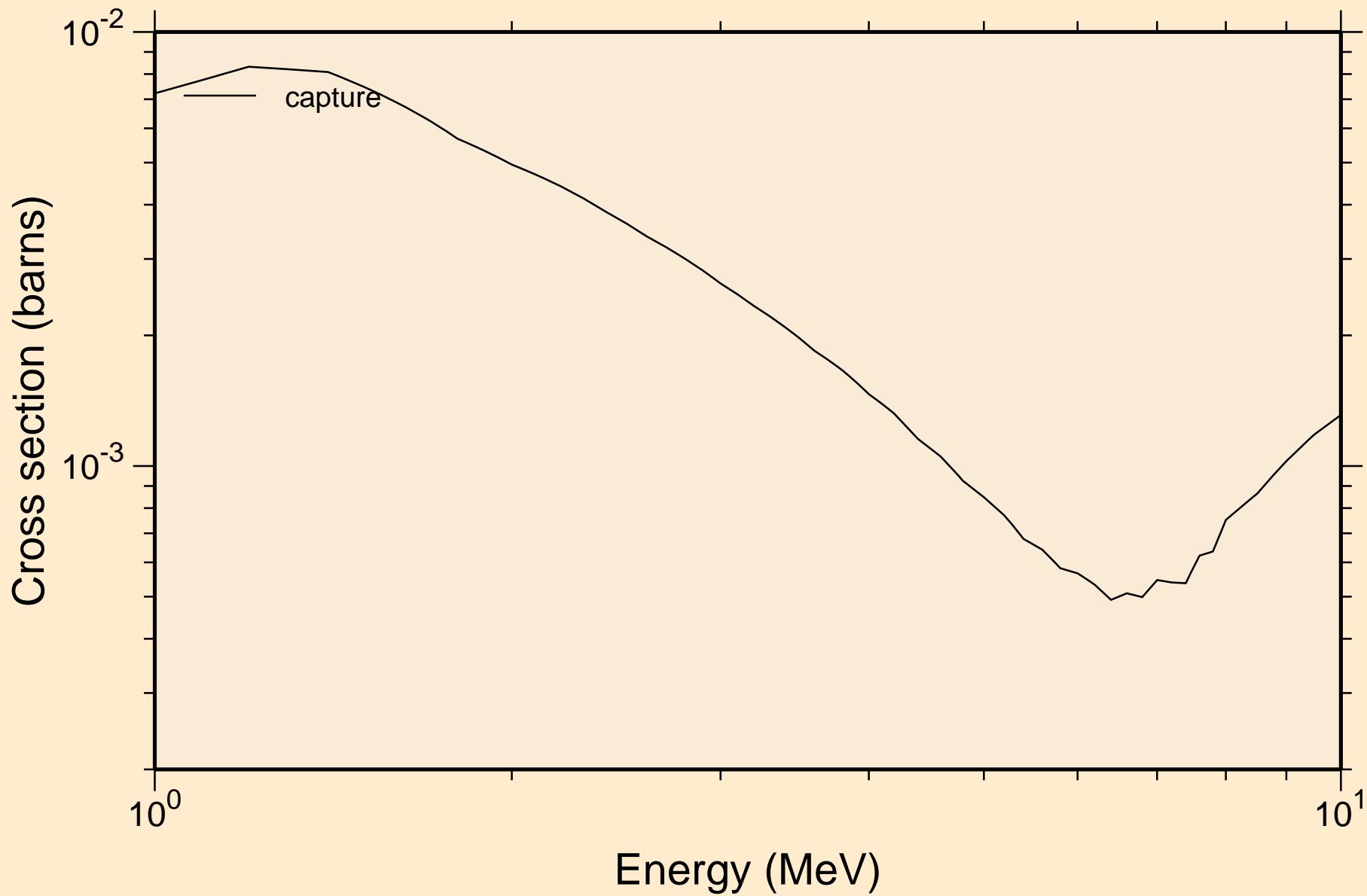
N-BA139 NRG TENDL-2017, AKONING
resonance absorption cross sections



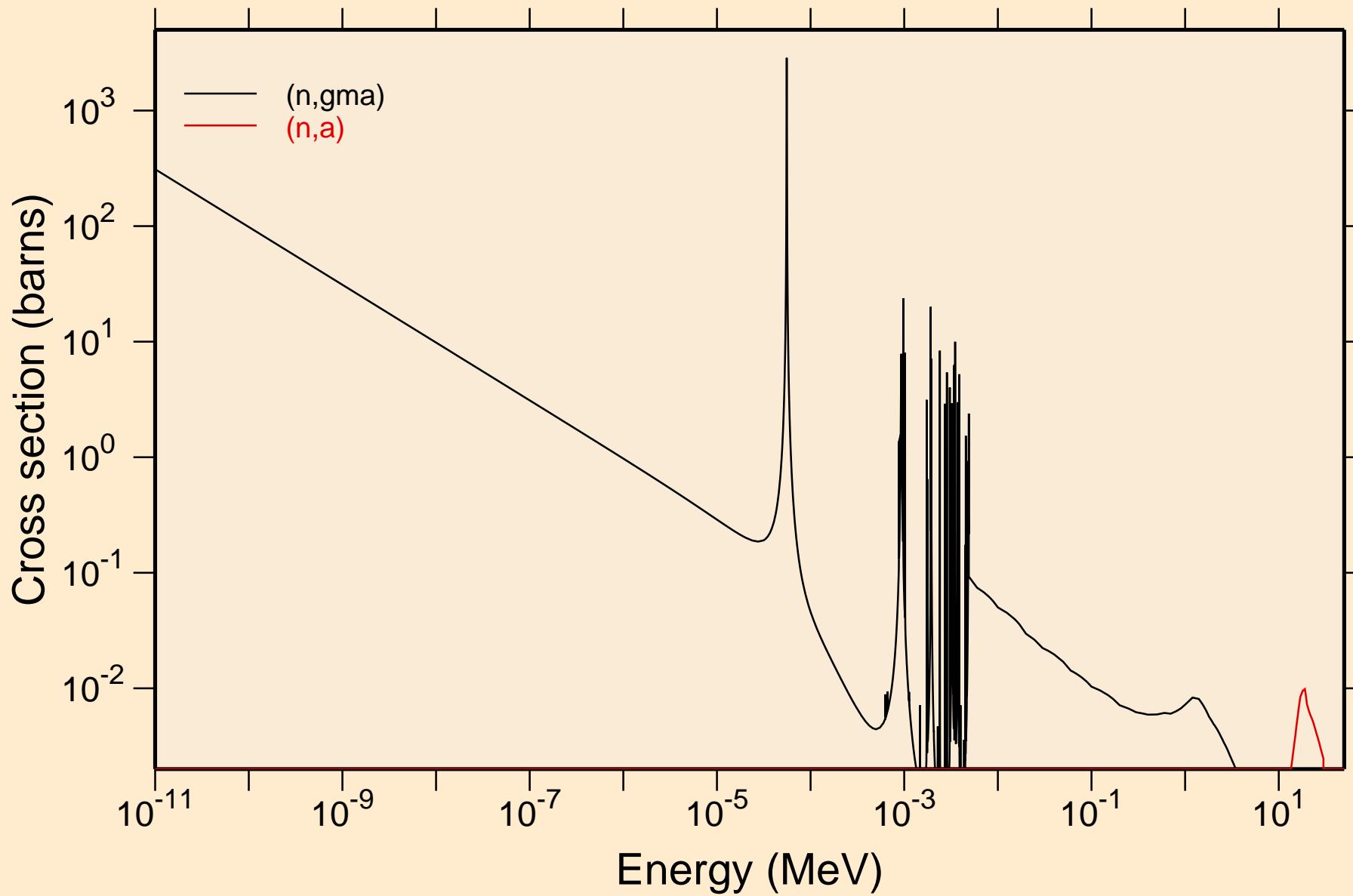
N-BA139 NRG TENDL-2017, AKONING
resonance absorption cross sections



N-BA139 NRG TENDL-2017, AKONING
resonance absorption cross sections

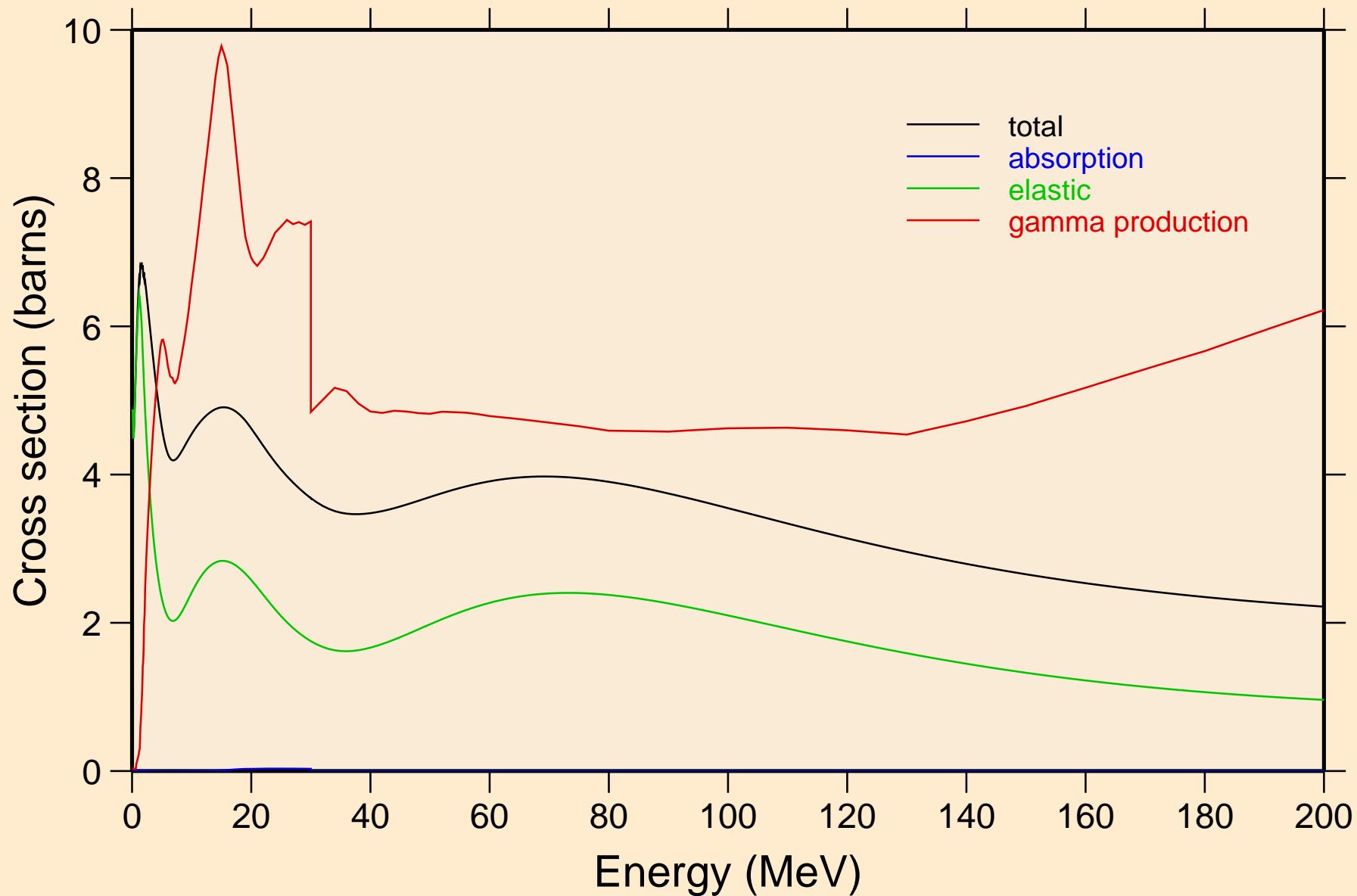


N-BA139 NRG TENDL-2017, AKONING
Non-threshold reactions

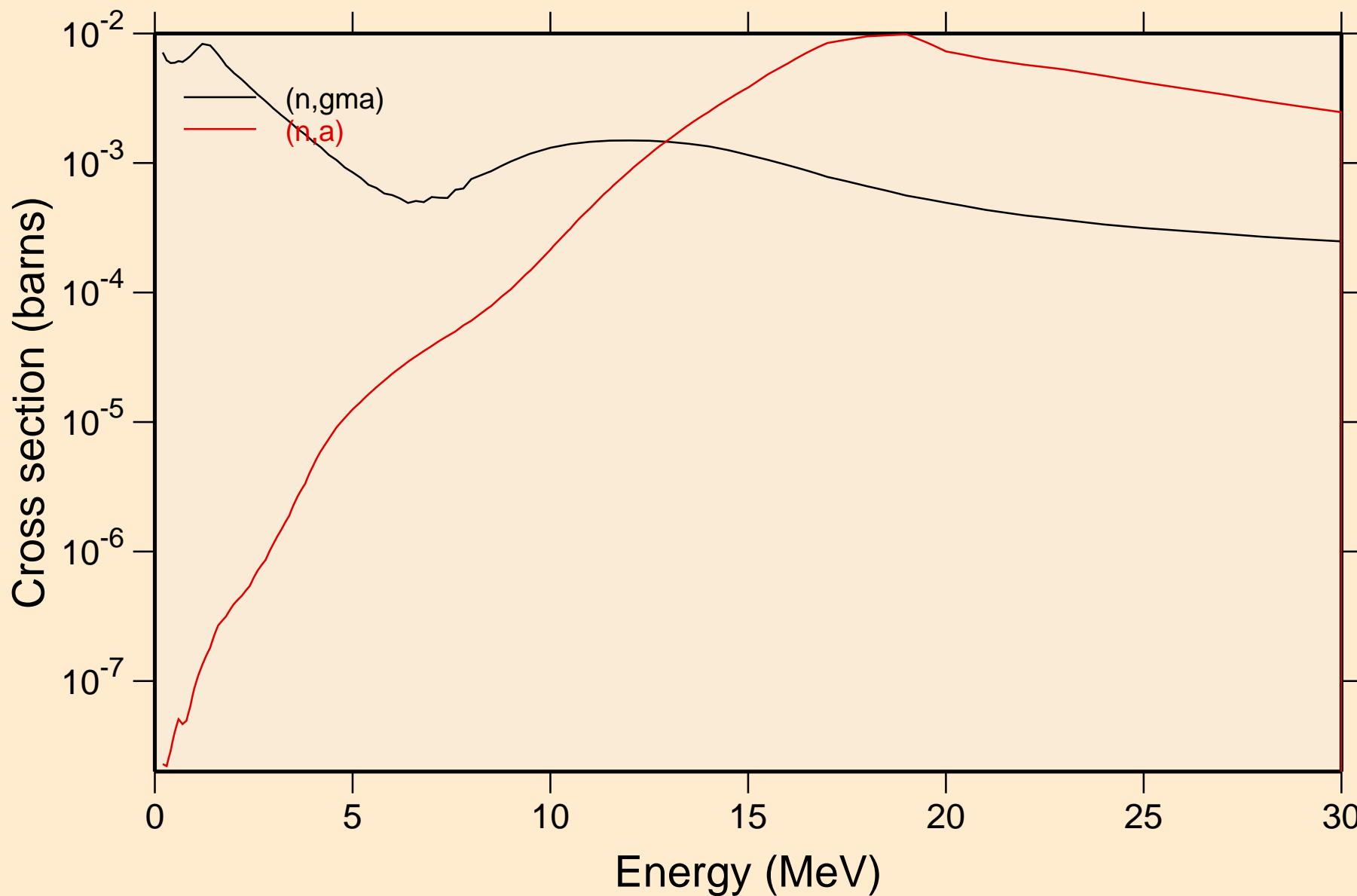


N-BA139 NRG TENDL-2017, AKONING

Principal cross sections

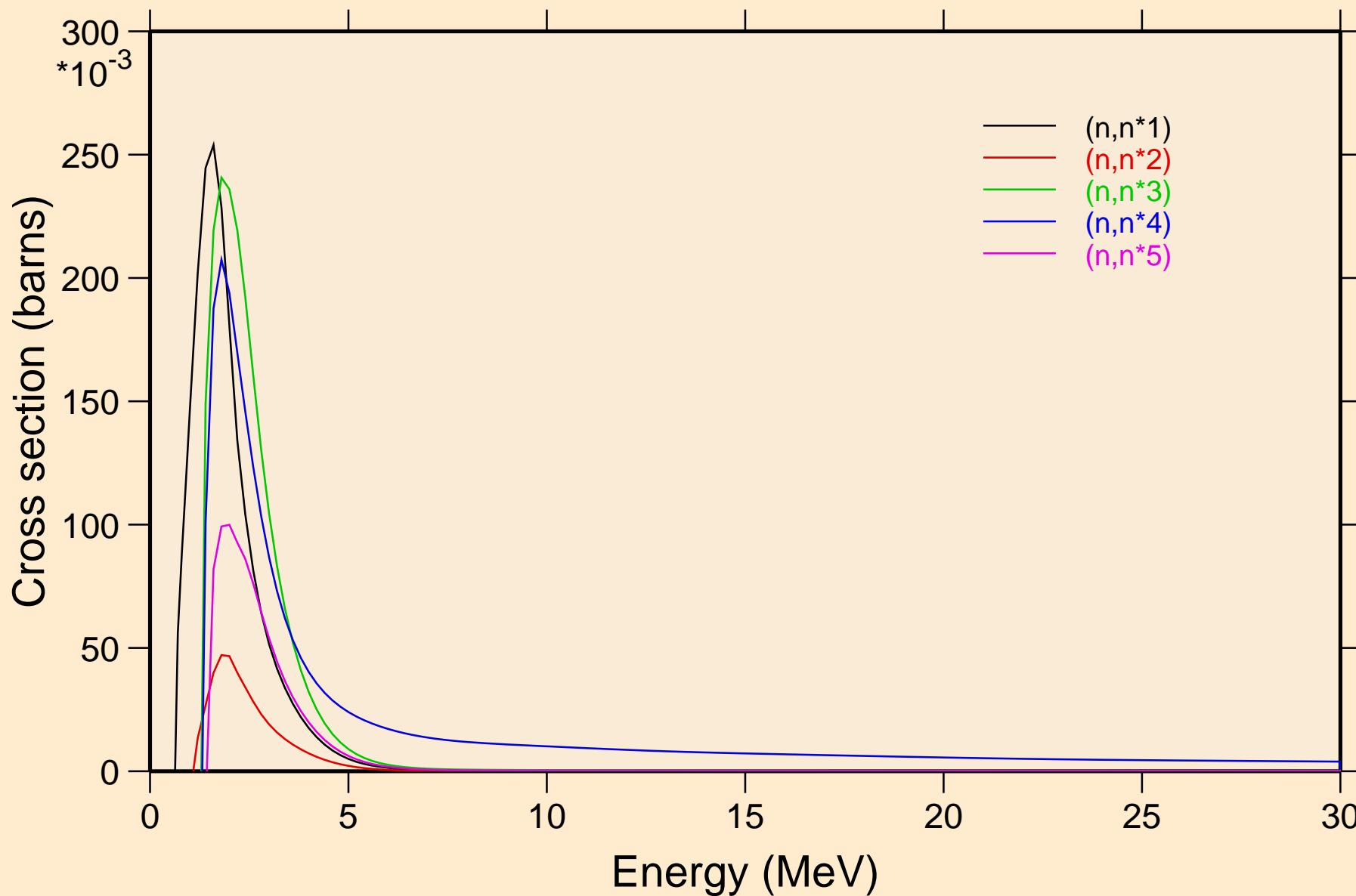


N-BA139 NRG TENDL-2017, AKONING
Non-threshold reactions



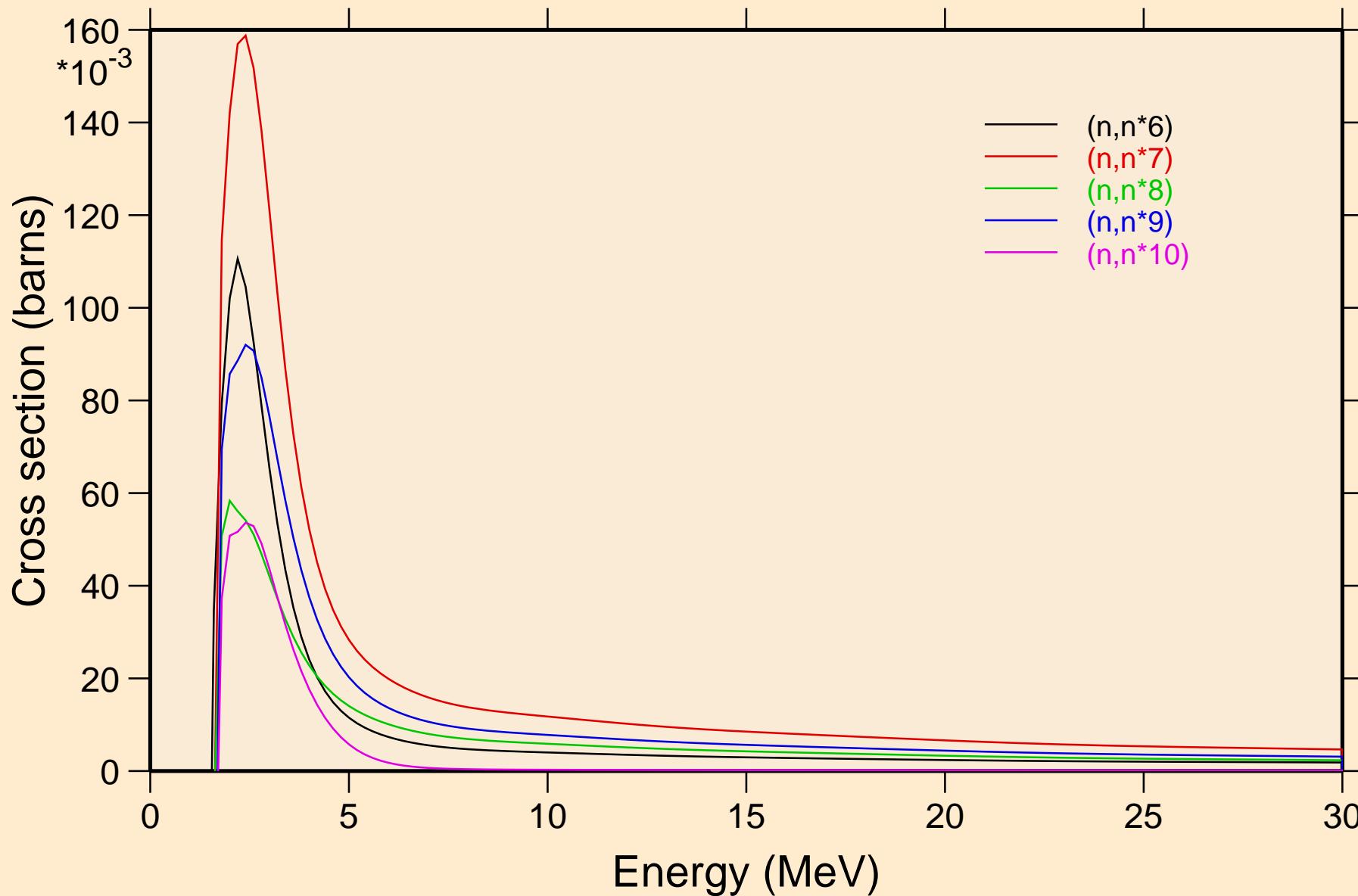
N-BA139 NRG TENDL-2017, AKONING

Inelastic levels



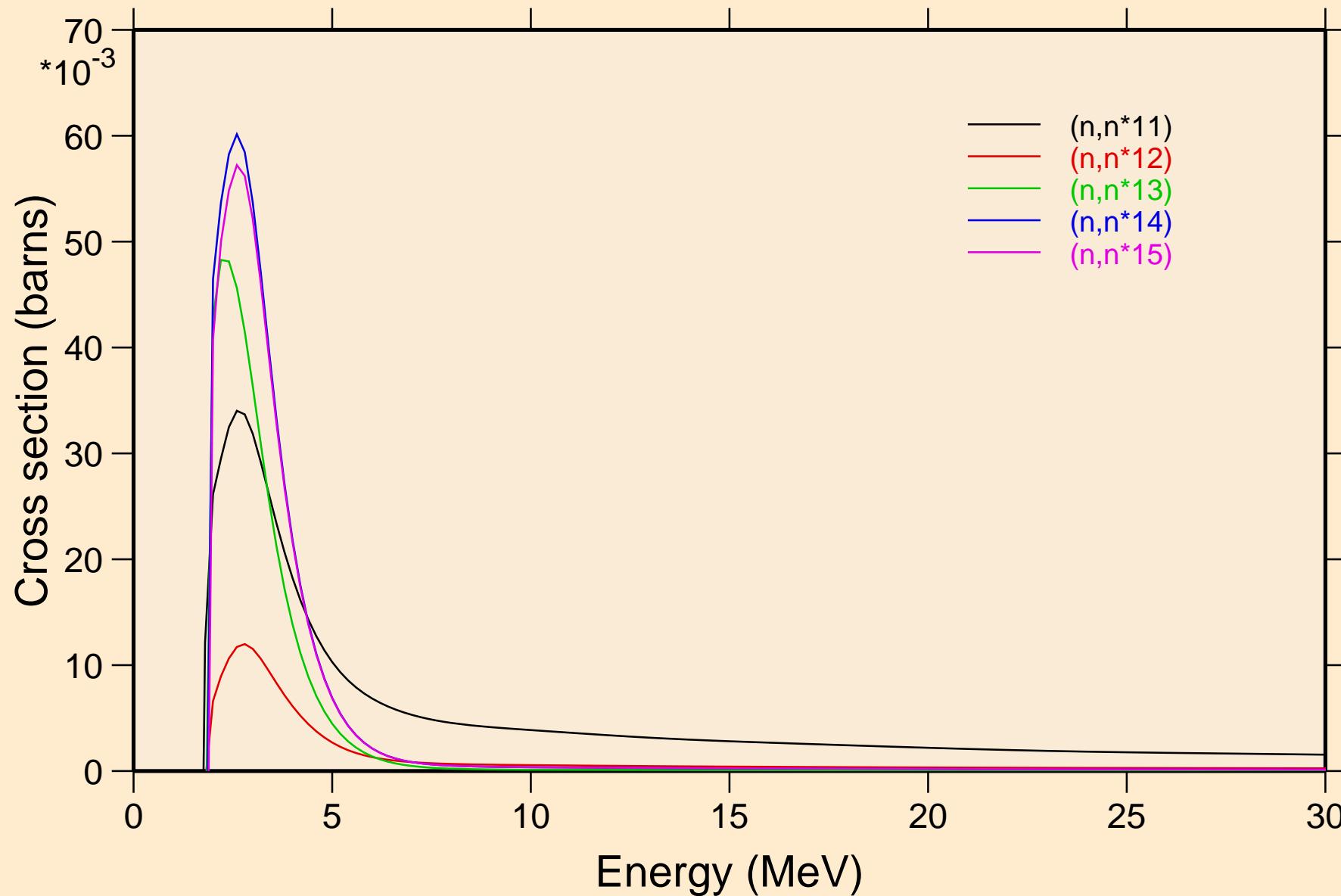
N-BA139 NRG TENDL-2017, AKONING

Inelastic levels



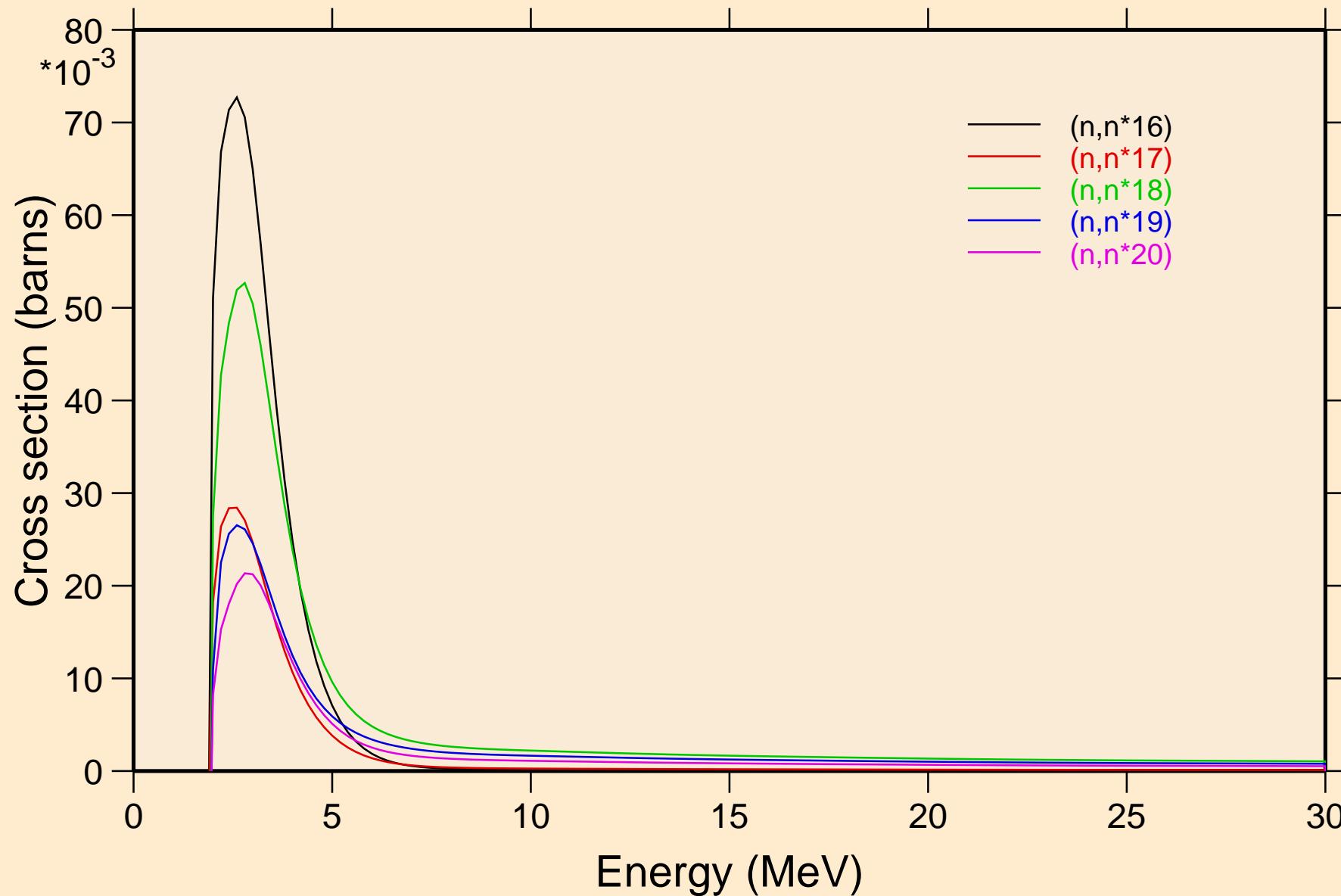
N-BA139 NRG TENDL-2017, AKONING

Inelastic levels



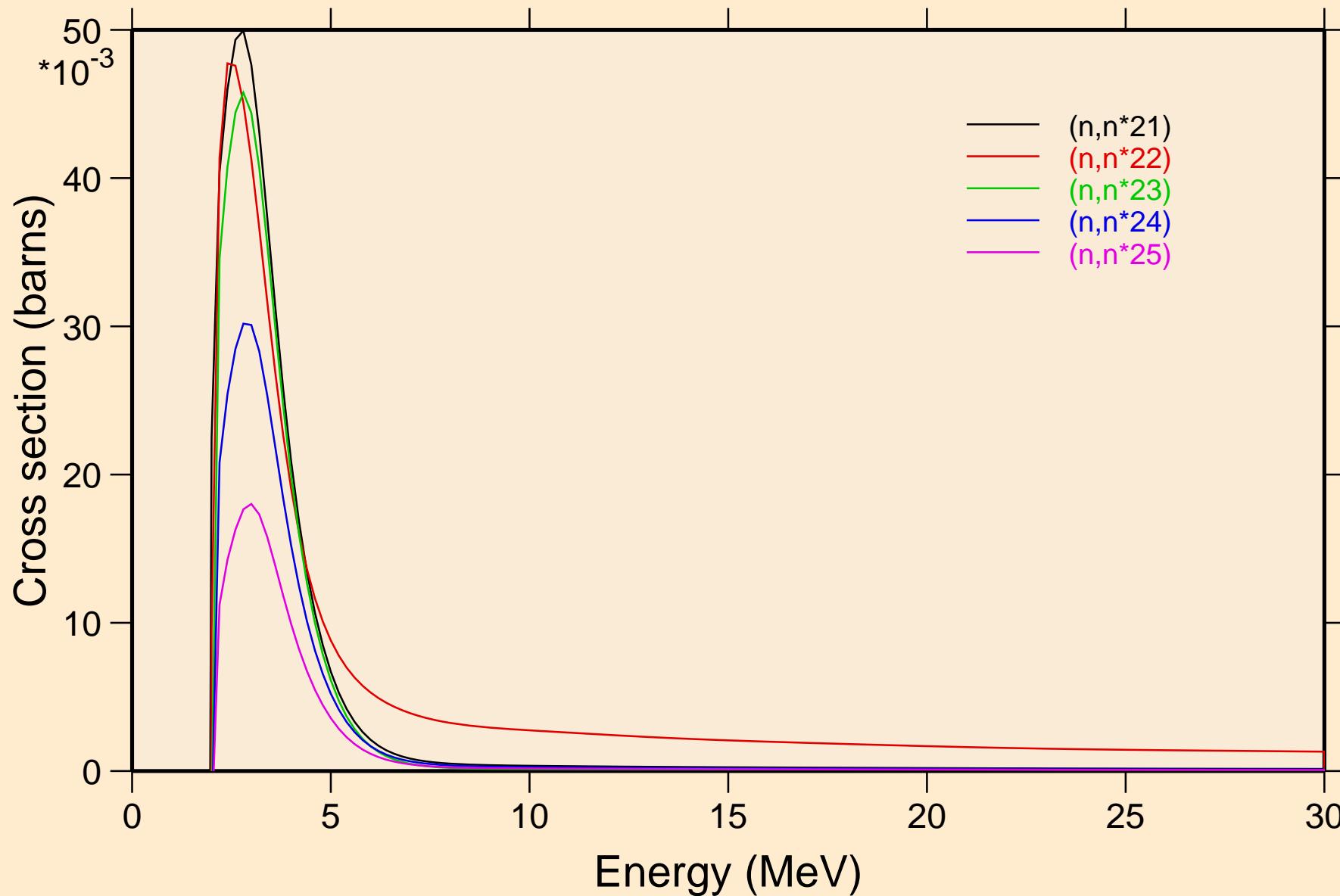
N-BA139 NRG TENDL-2017, AKONING

Inelastic levels



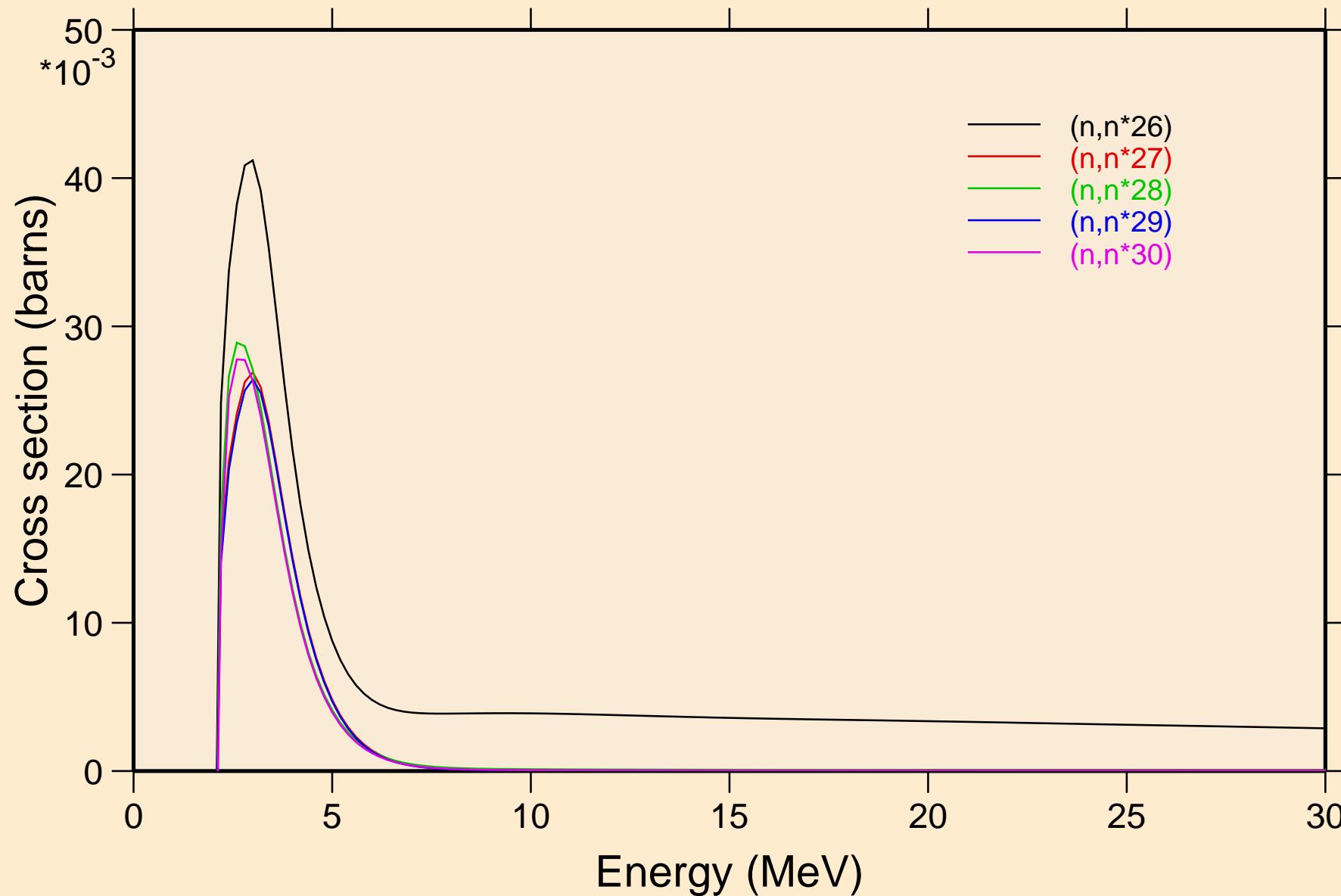
N-BA139 NRG TENDL-2017, AKONING

Inelastic levels



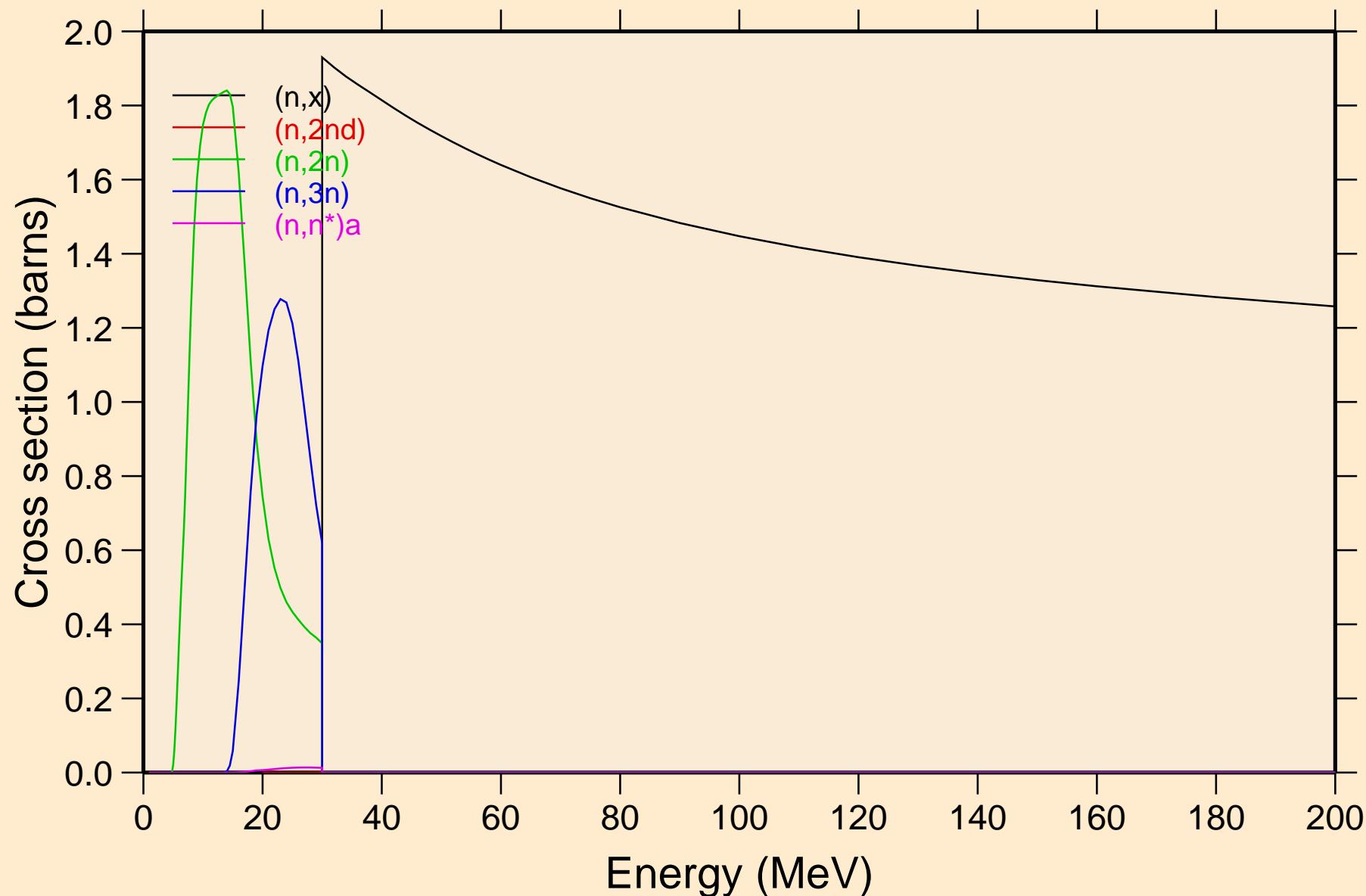
N-BA139 NRG TENDL-2017, AKONING

Inelastic levels



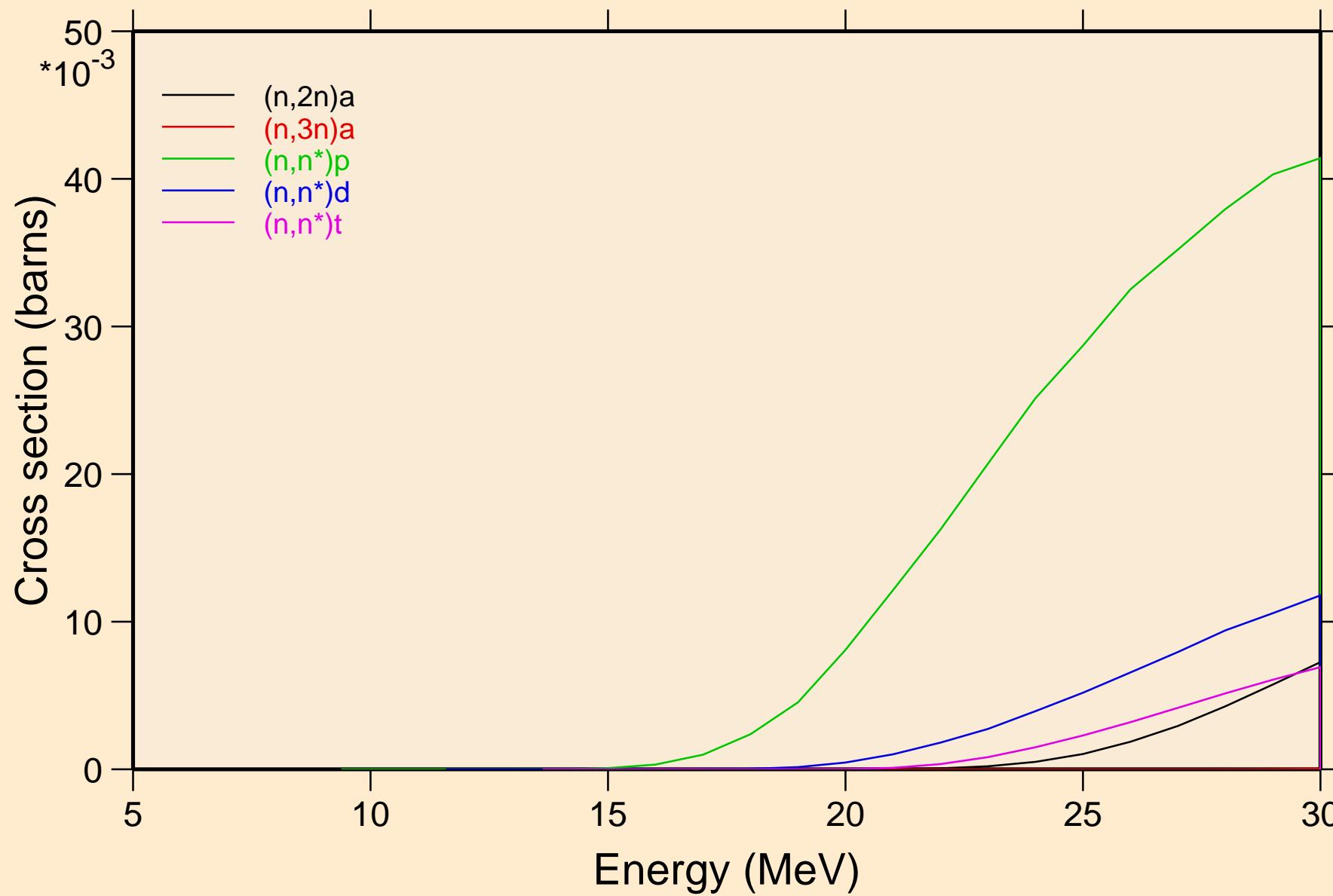
N-BA139 NRG TENDL-2017, AKONING

Threshold reactions



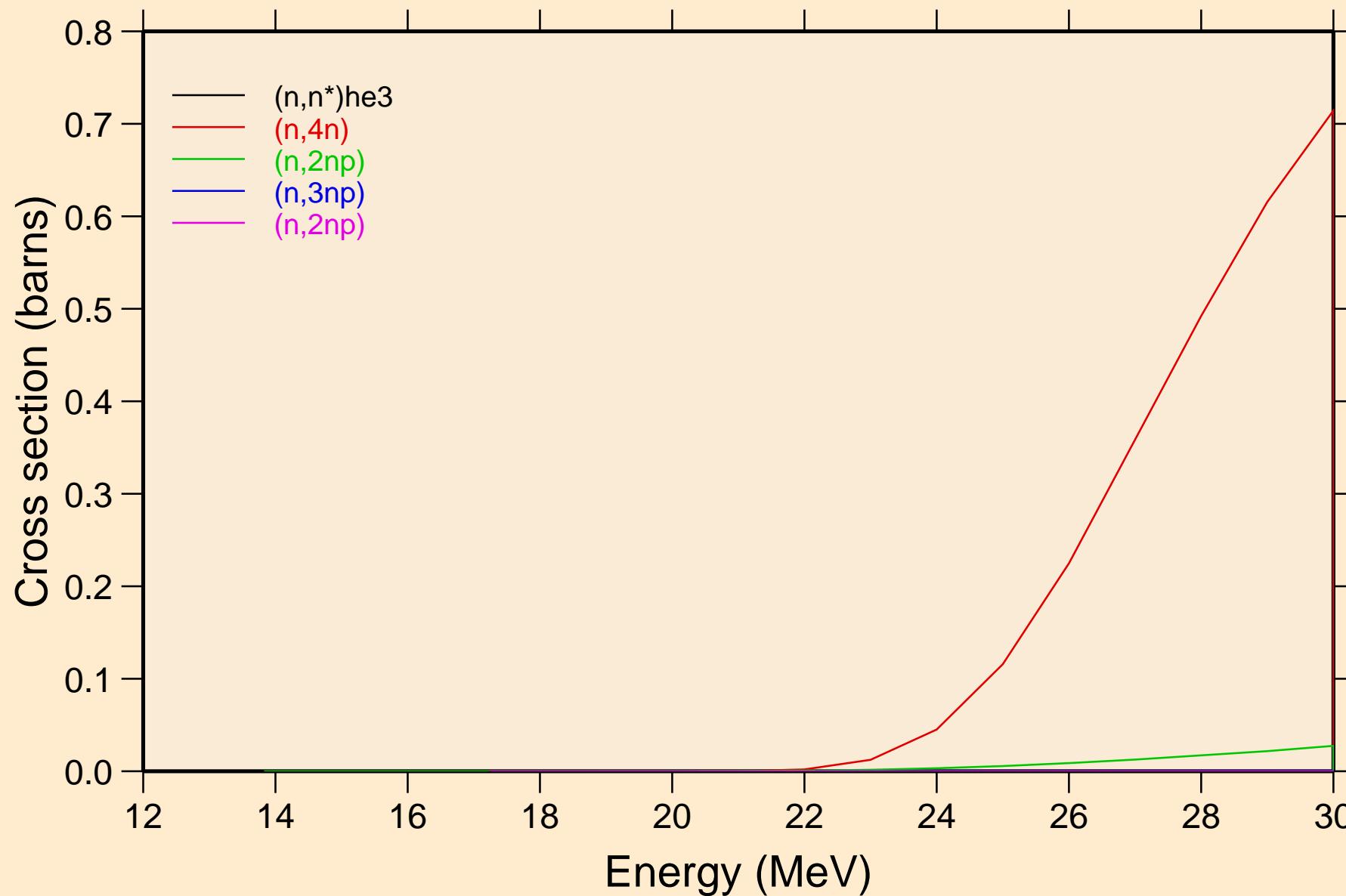
N-BA139 NRG TENDL-2017, AKONING

Threshold reactions



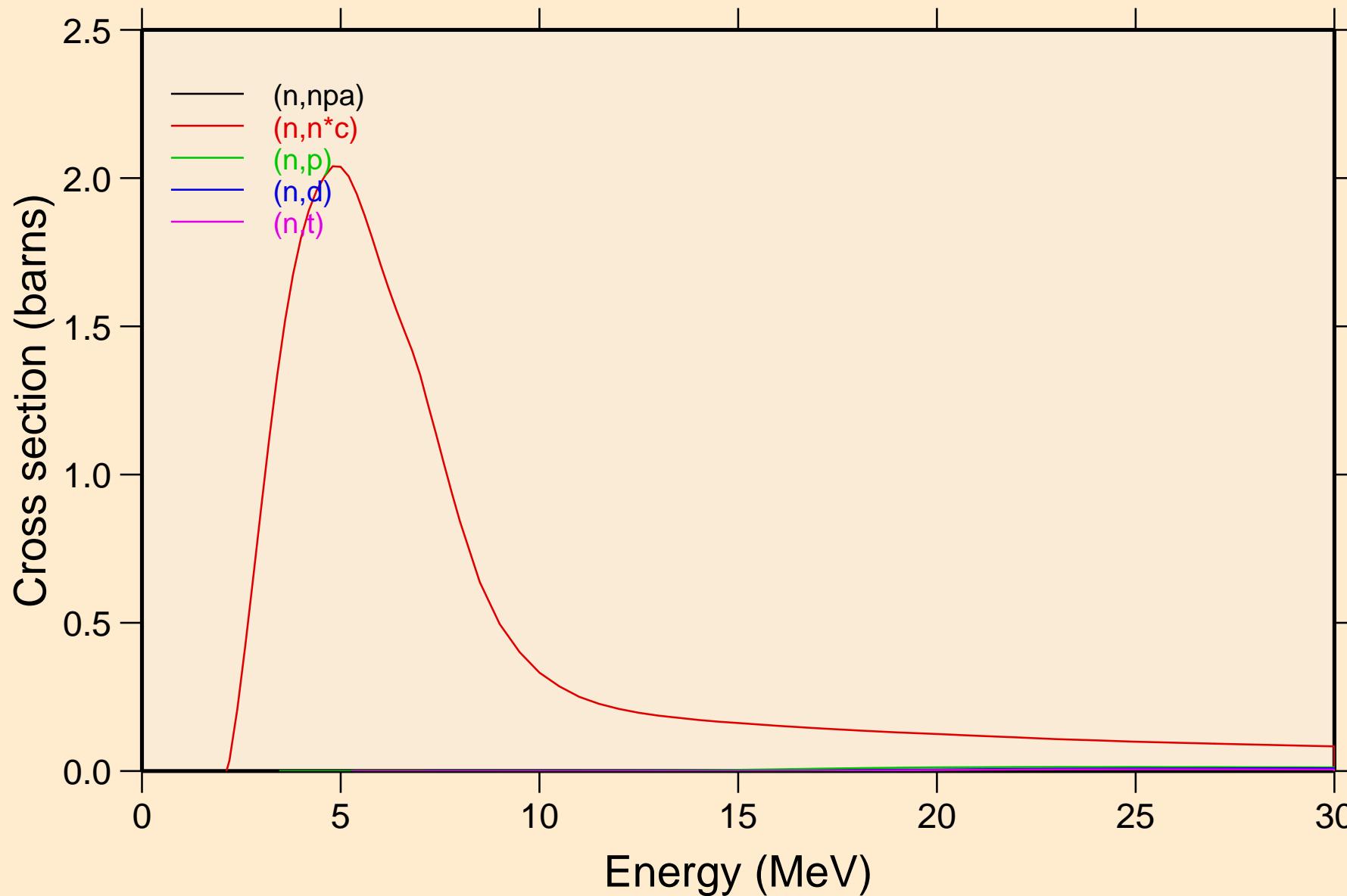
N-BA139 NRG TENDL-2017, AKONING

Threshold reactions



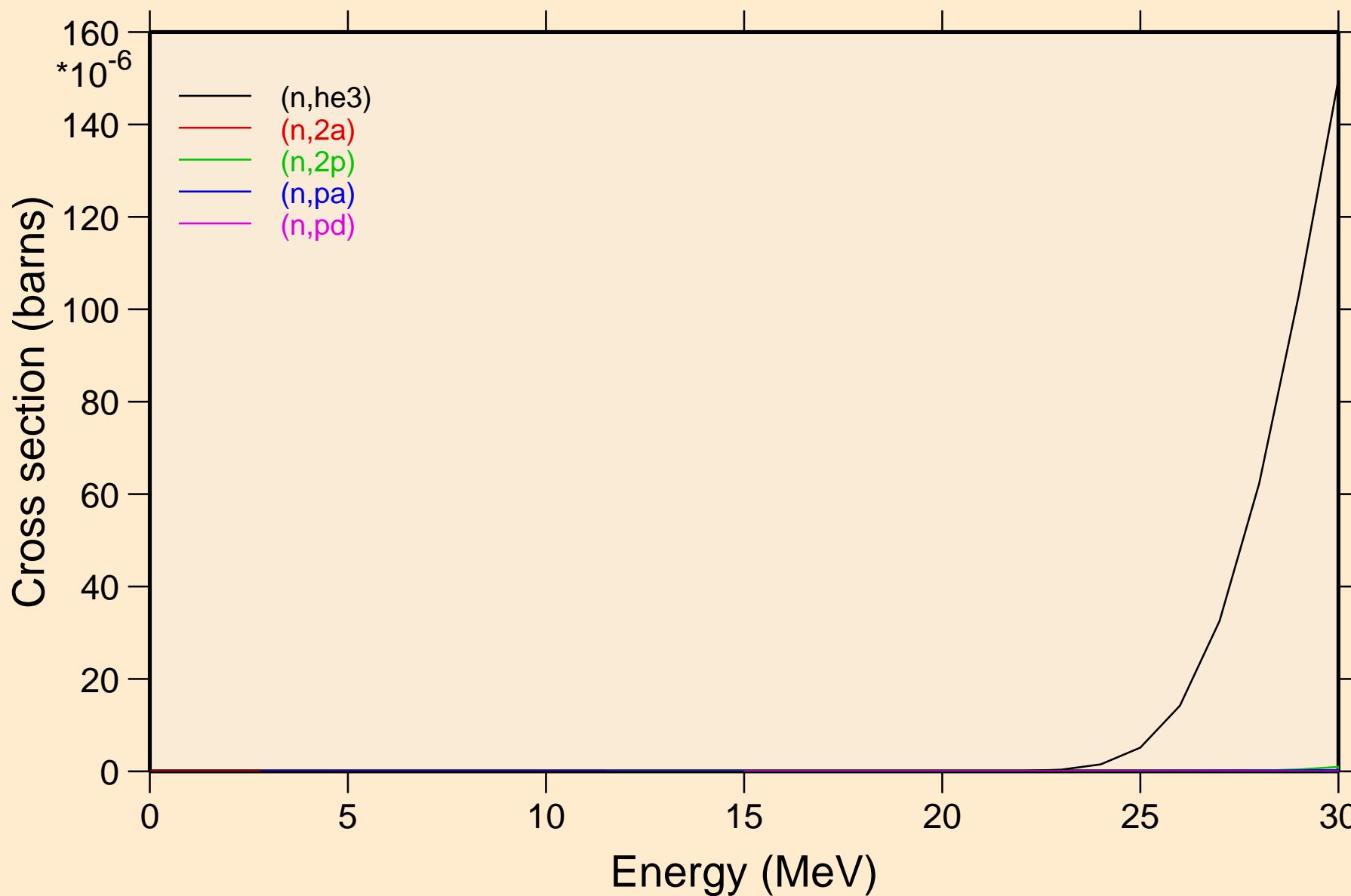
N-BA139 NRG TENDL-2017, AKONING

Threshold reactions



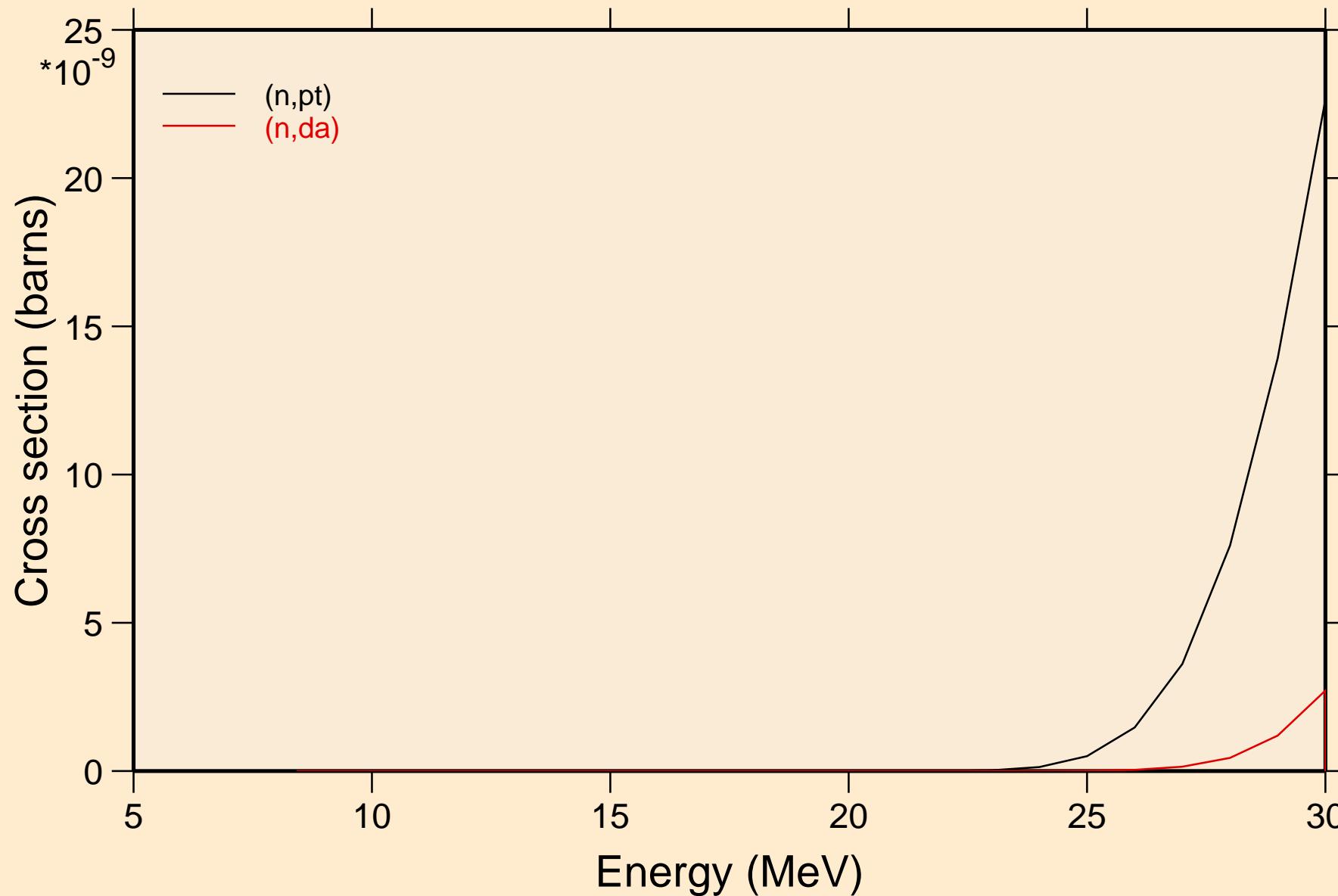
N-BA139 NRG TENDL-2017, AKONING

Threshold reactions

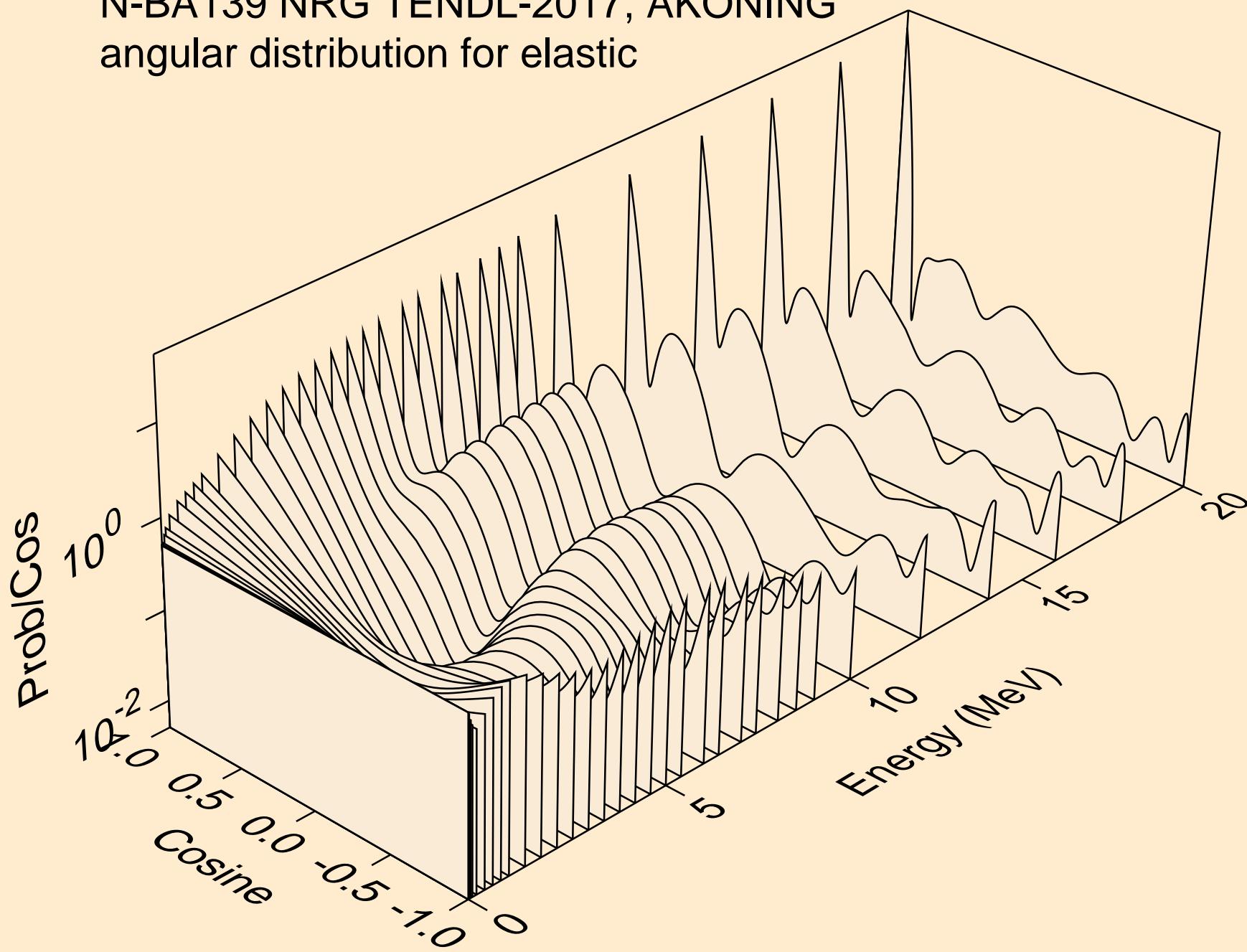


N-BA139 NRG TENDL-2017, AKONING

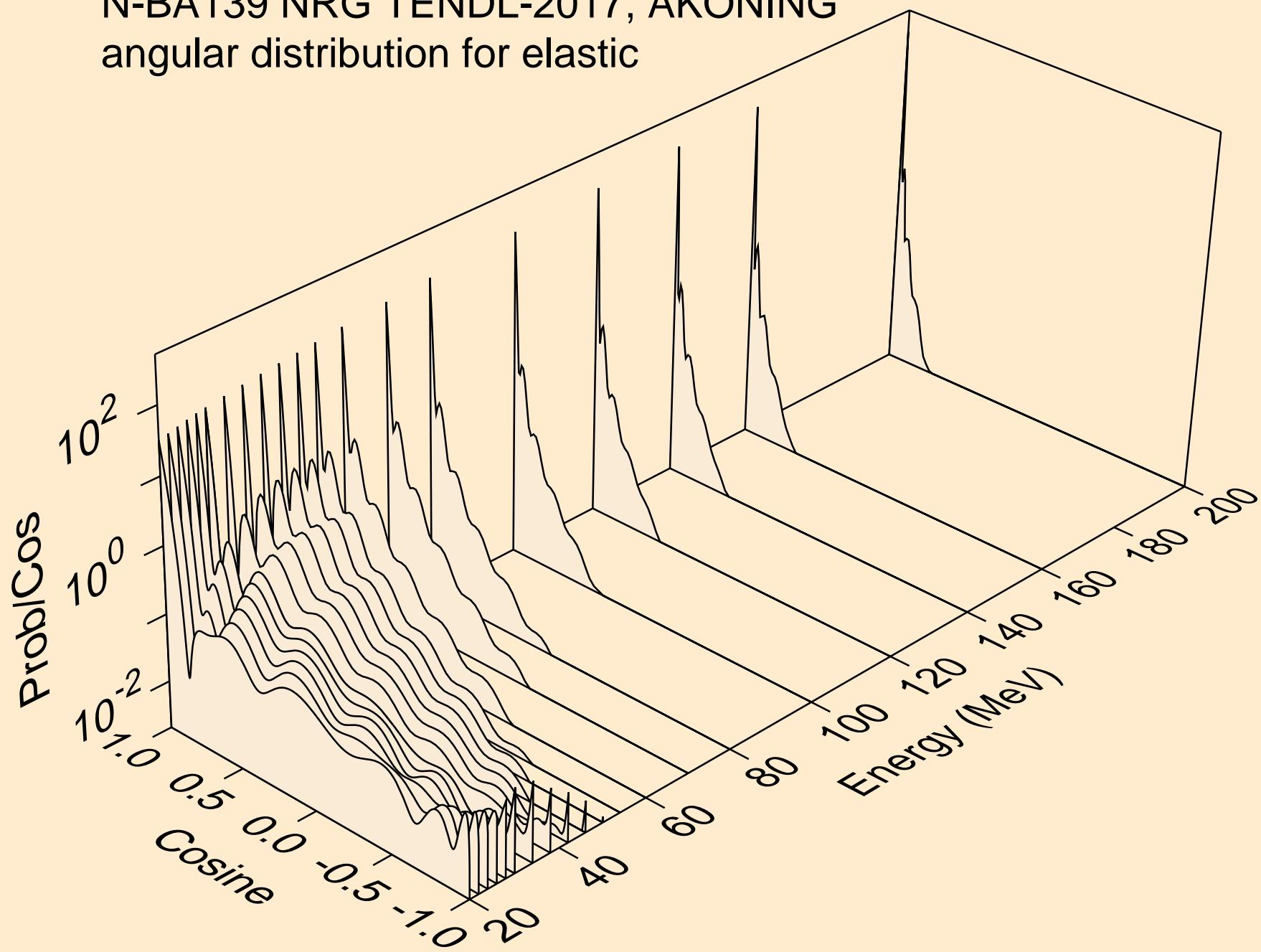
Threshold reactions



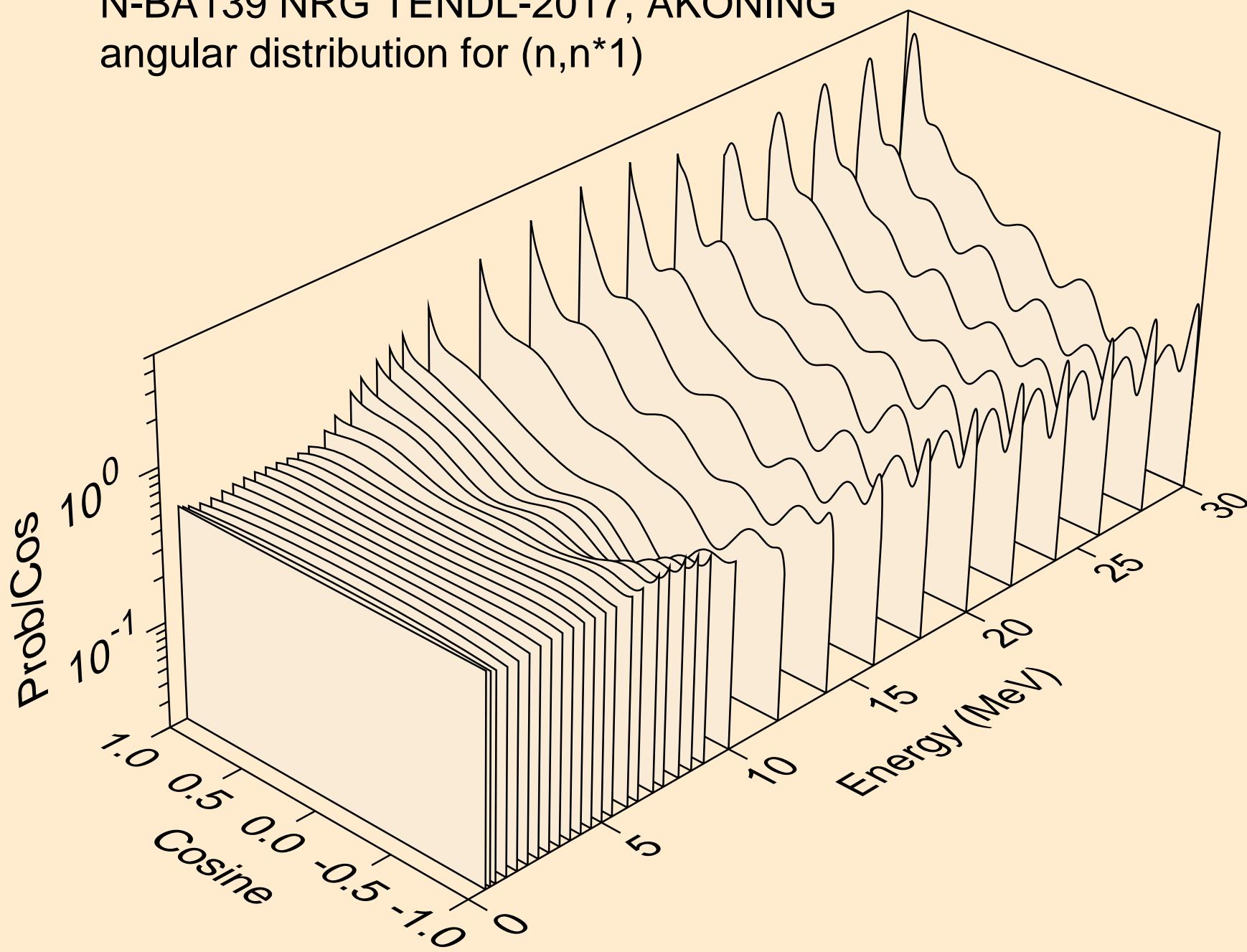
N-BA139 NRG TENDL-2017, AKONING
angular distribution for elastic



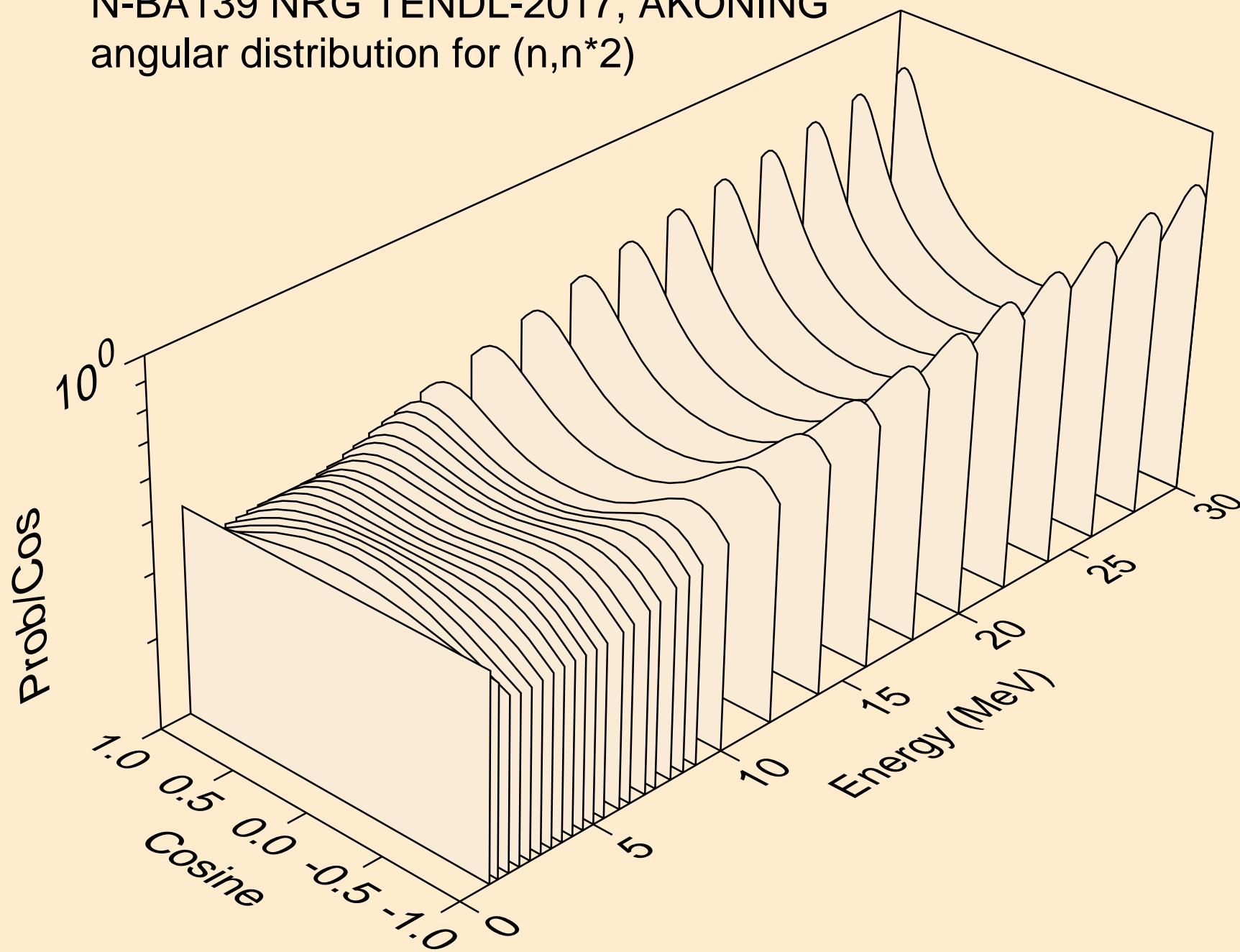
N-BA139 NRG TENDL-2017, AKONING
angular distribution for elastic



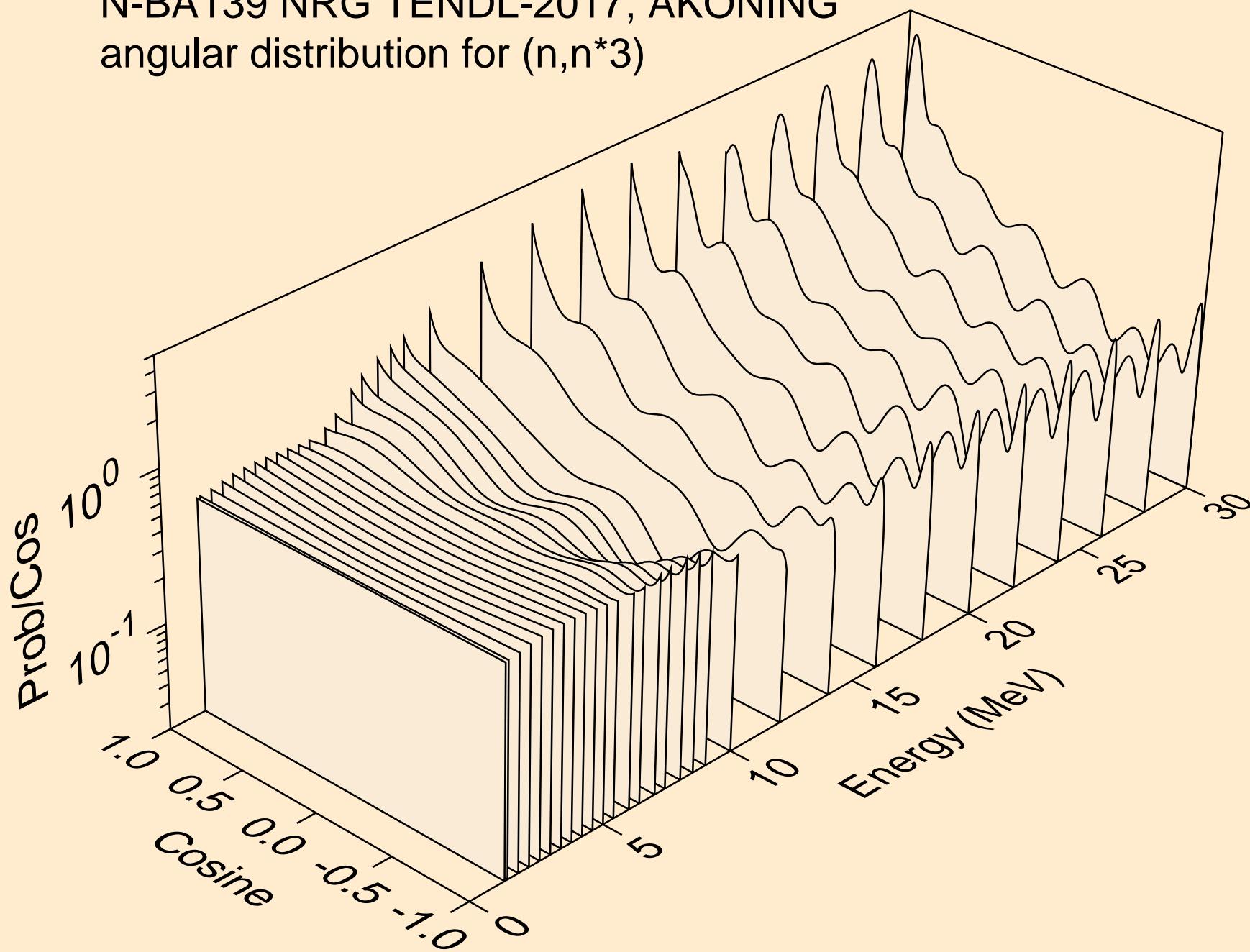
N-BA139 NRG TENDL-2017, AKONING
angular distribution for (n,n*1)



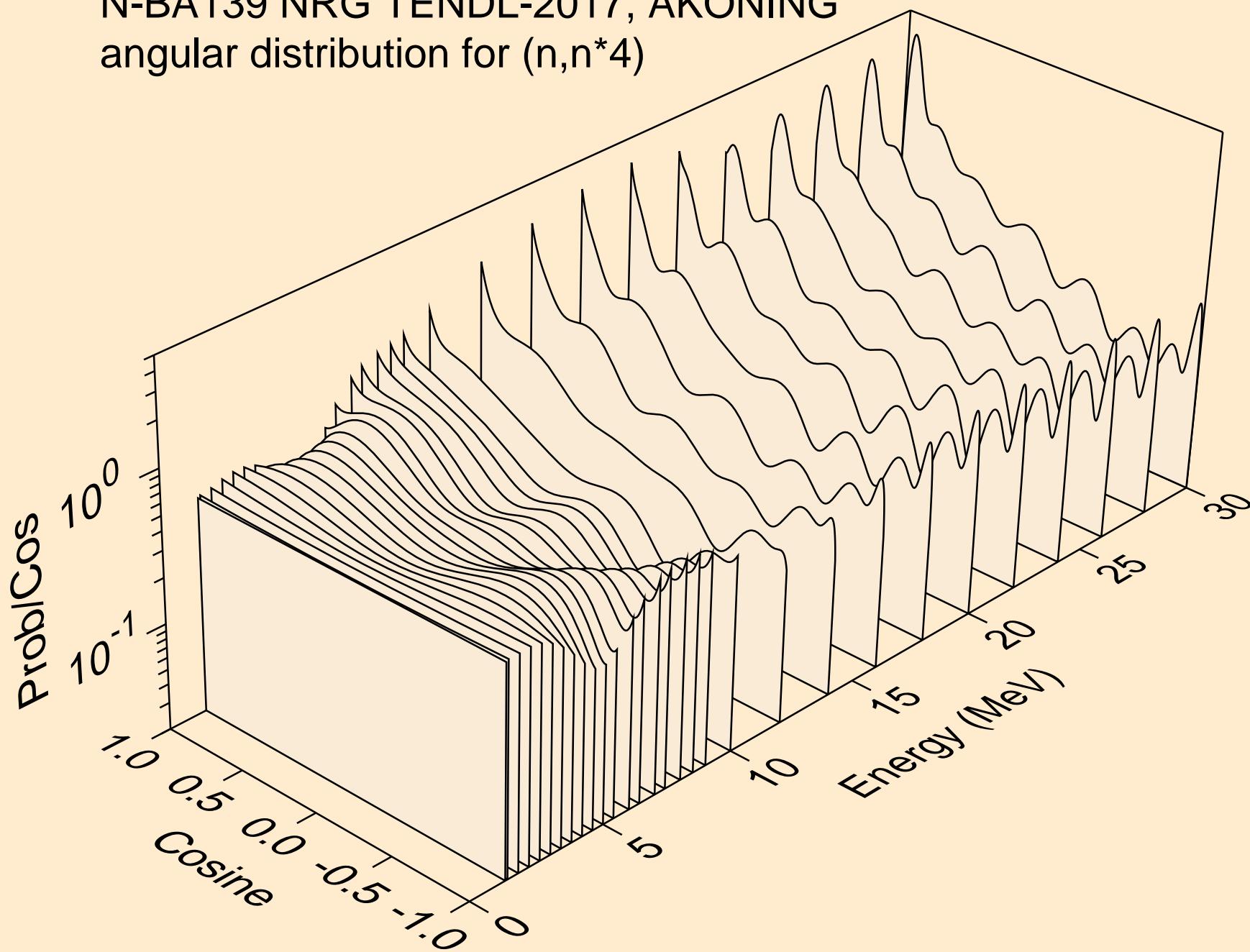
N-BA139 NRG TENDL-2017, AKONING
angular distribution for (n,n^*2)



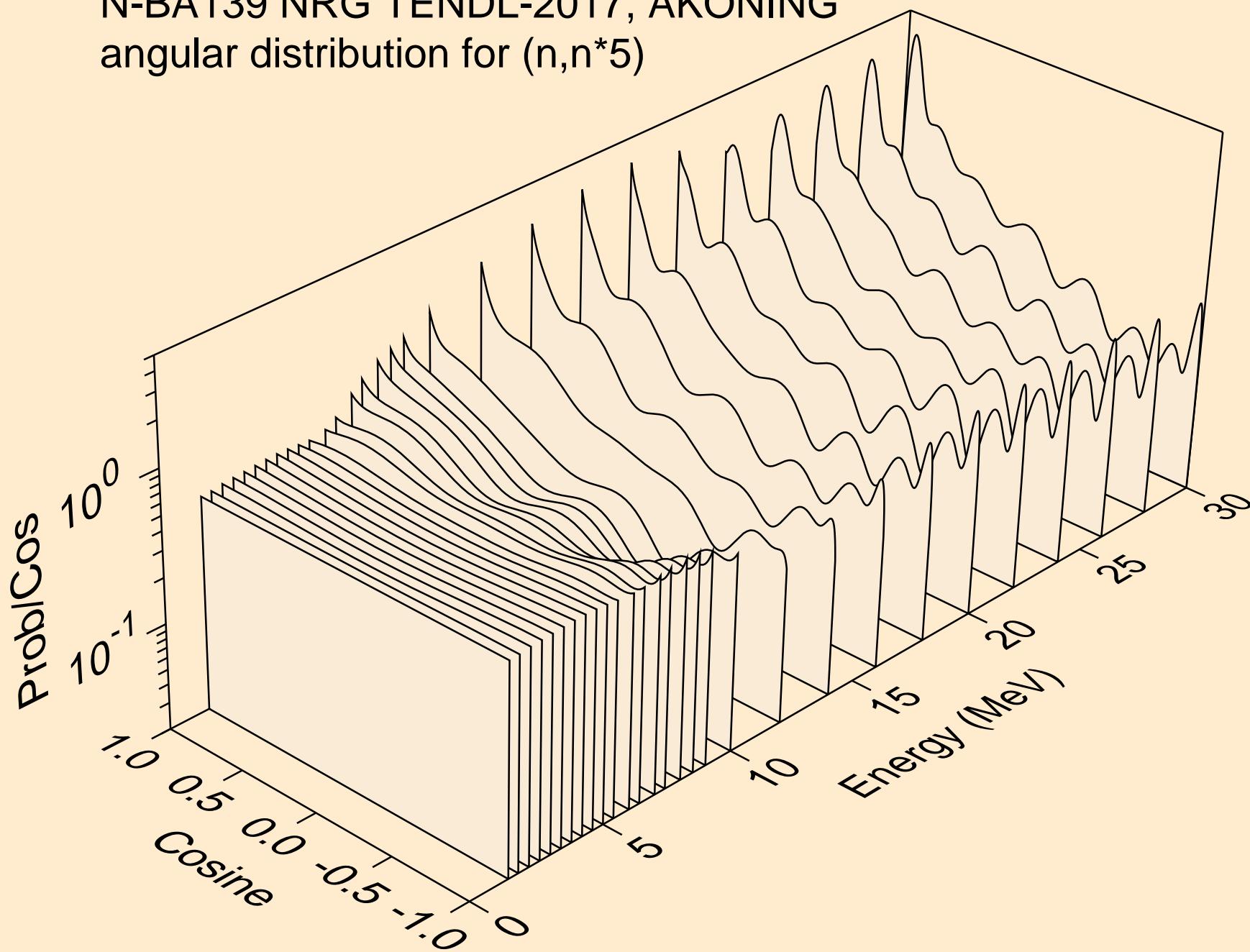
N-BA139 NRG TENDL-2017, AKONING
angular distribution for (n,n^*3)



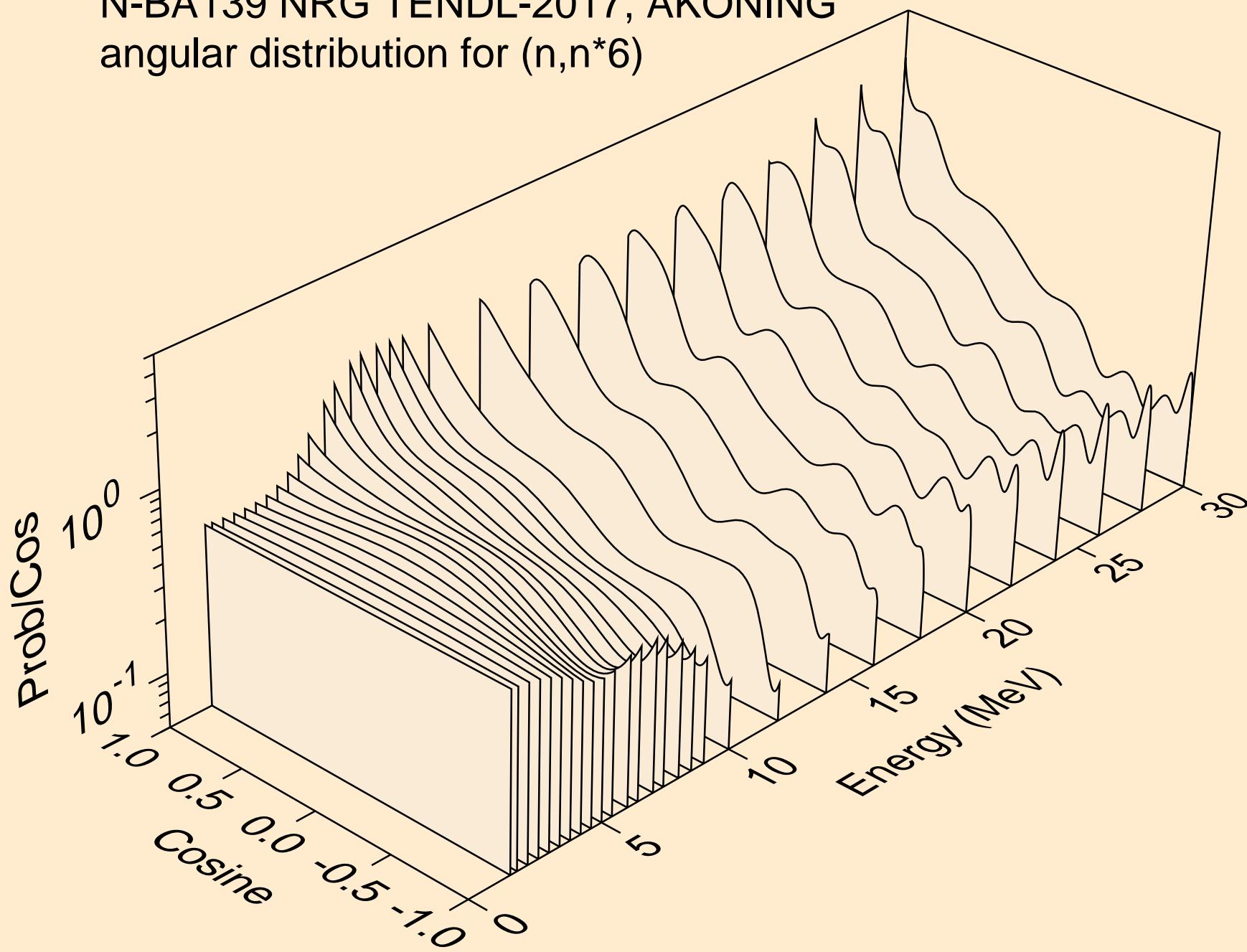
N-BA139 NRG TENDL-2017, AKONING
angular distribution for (n,n^*4)



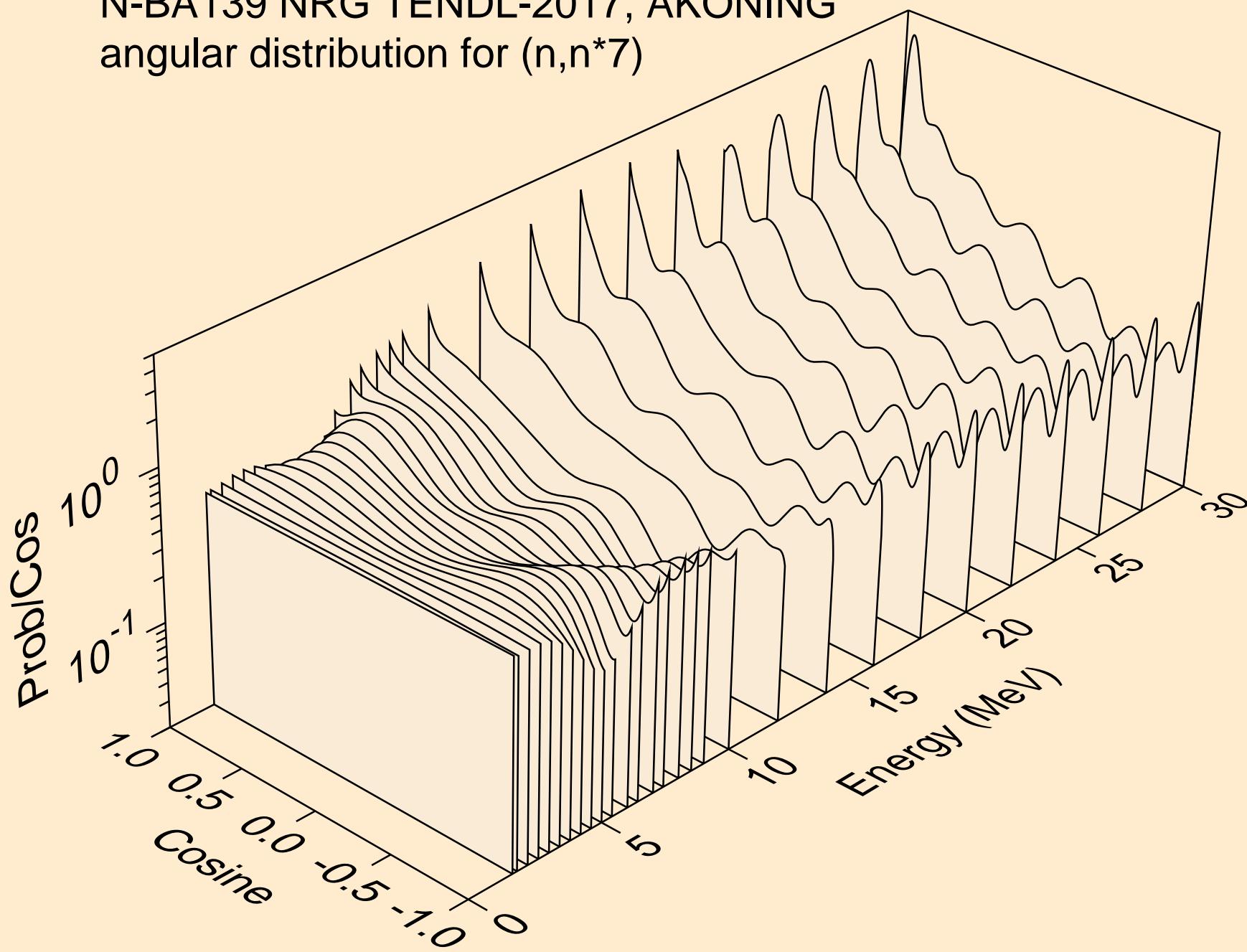
N-BA139 NRG TENDL-2017, AKONING
angular distribution for $(n,n^*)^5$



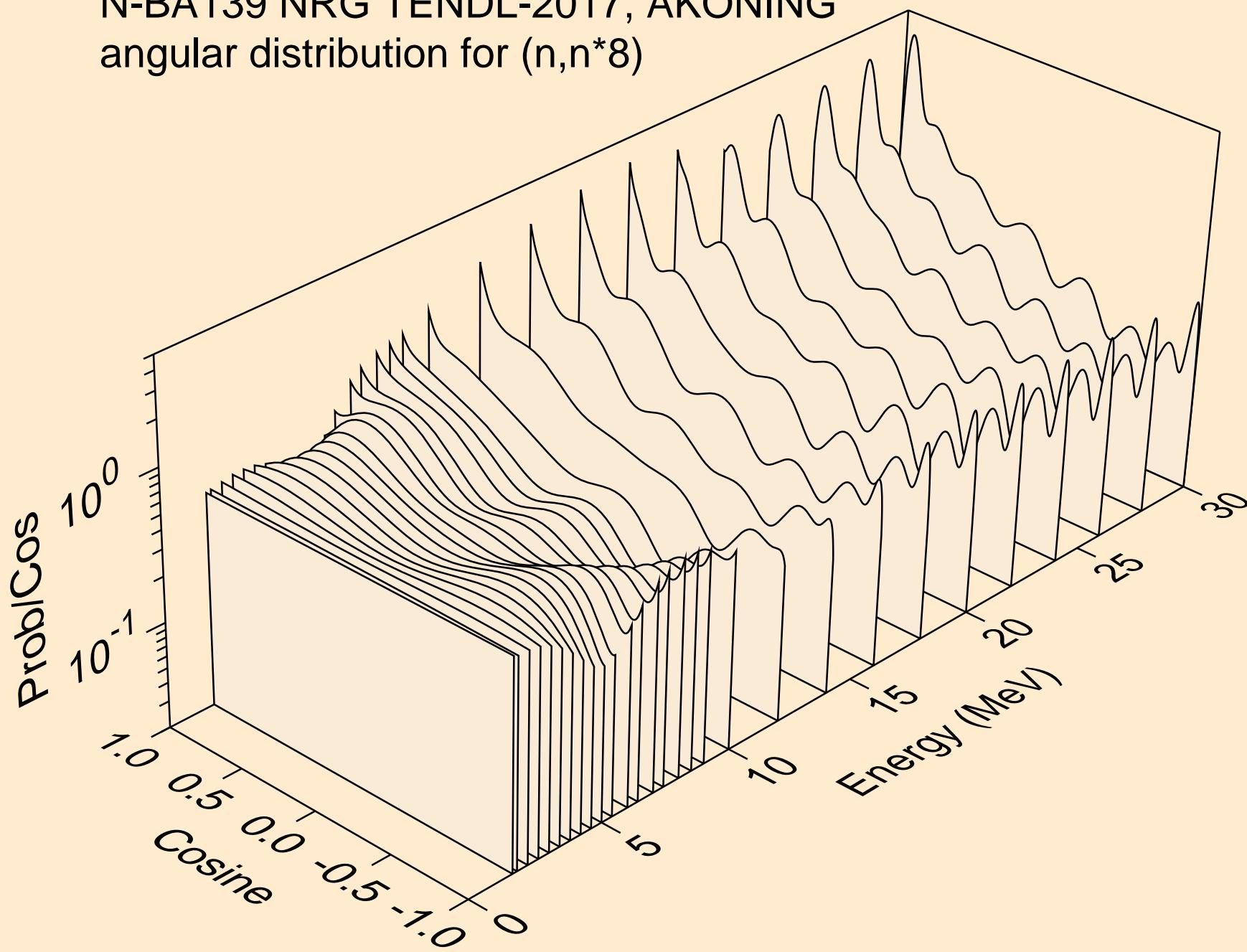
N-BA139 NRG TENDL-2017, AKONING
angular distribution for (n,n*6)



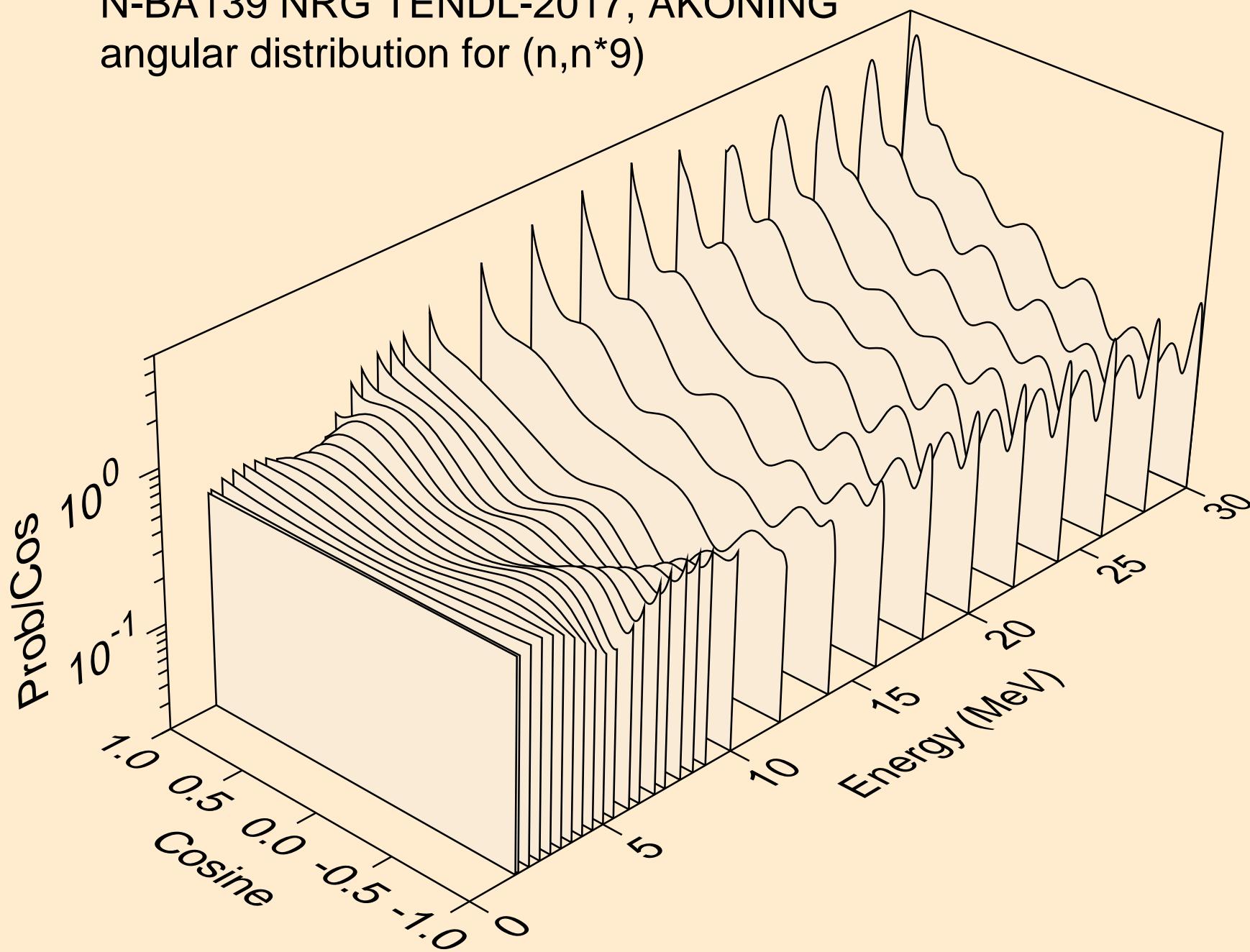
N-BA139 NRG TENDL-2017, AKONING
angular distribution for $(n,n^*)^7$



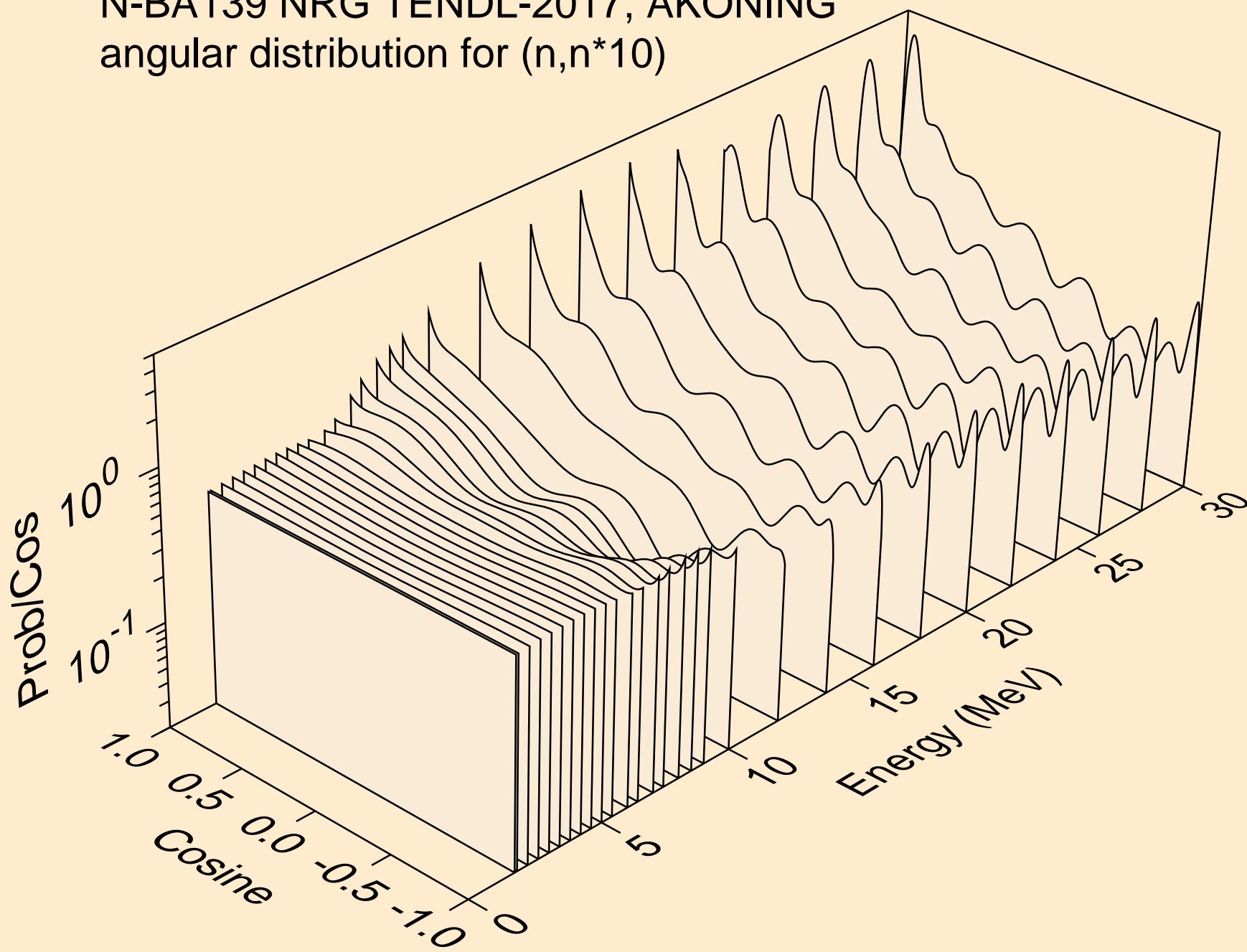
N-BA139 NRG TENDL-2017, AKONING
angular distribution for $(n,n^*)^8$



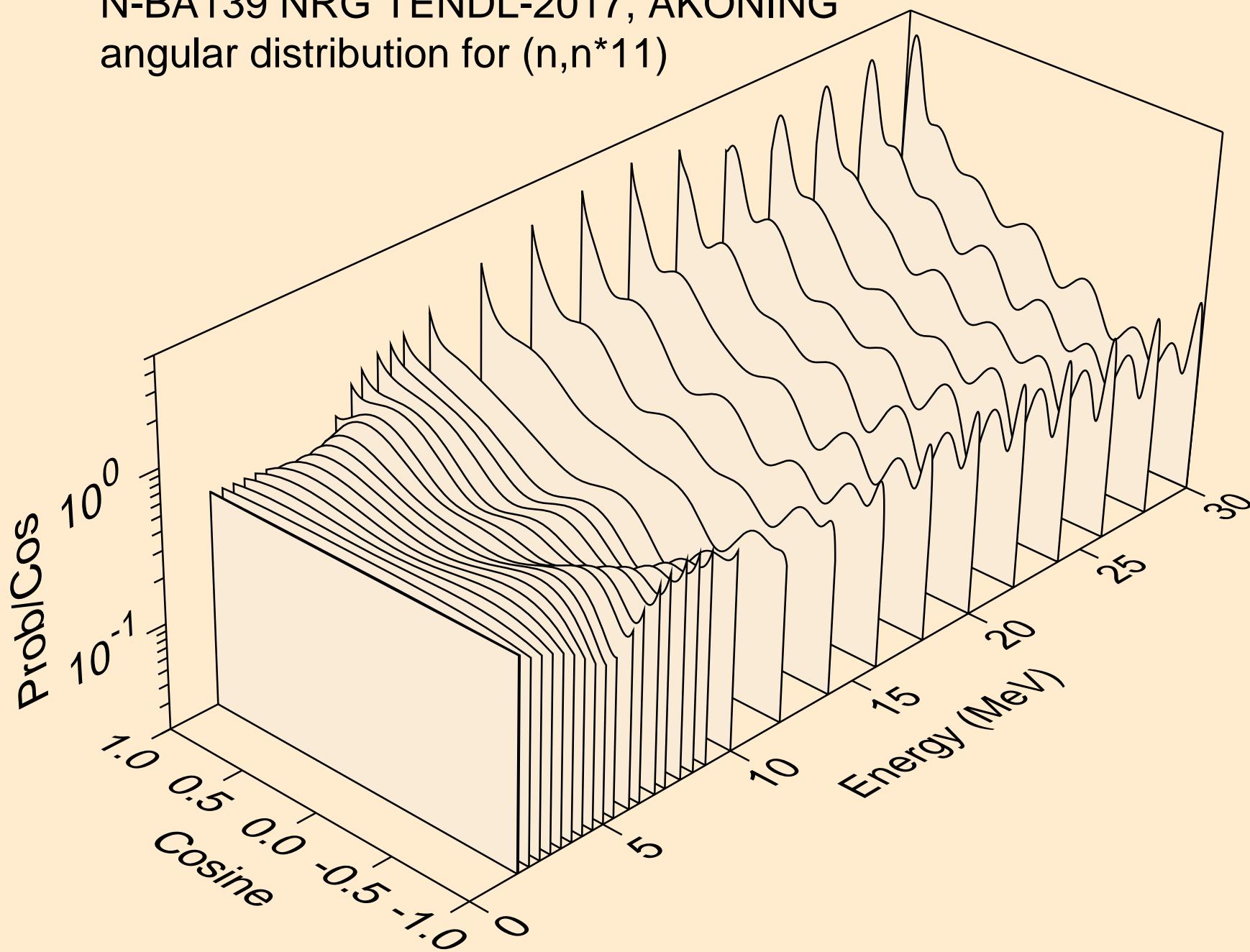
N-BA139 NRG TENDL-2017, AKONING
angular distribution for $(n,n^*)9$



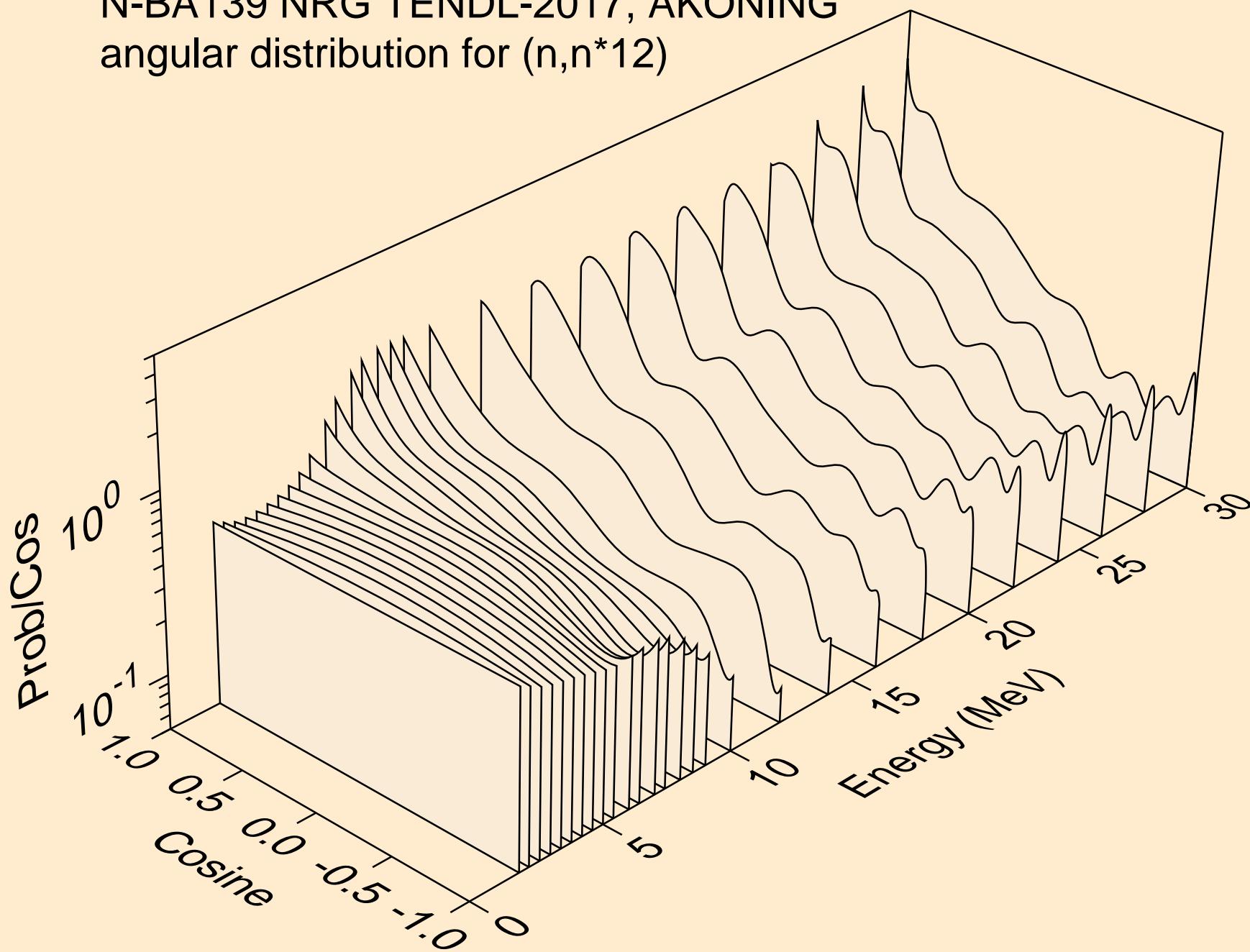
N-BA139 NRG TENDL-2017, AKONING
angular distribution for (n,n*10)



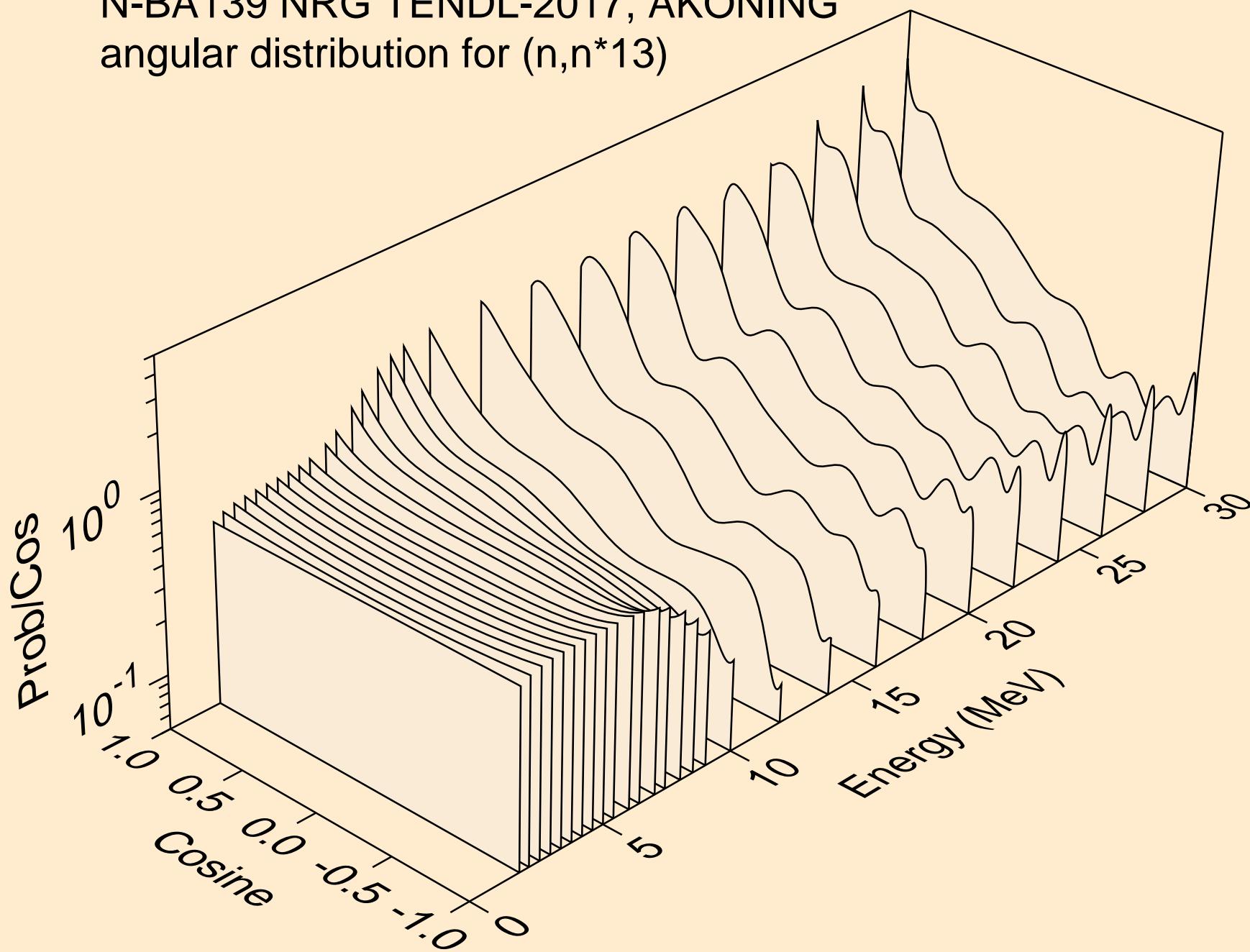
N-BA139 NRG TENDL-2017, AKONING
angular distribution for (n,n*11)



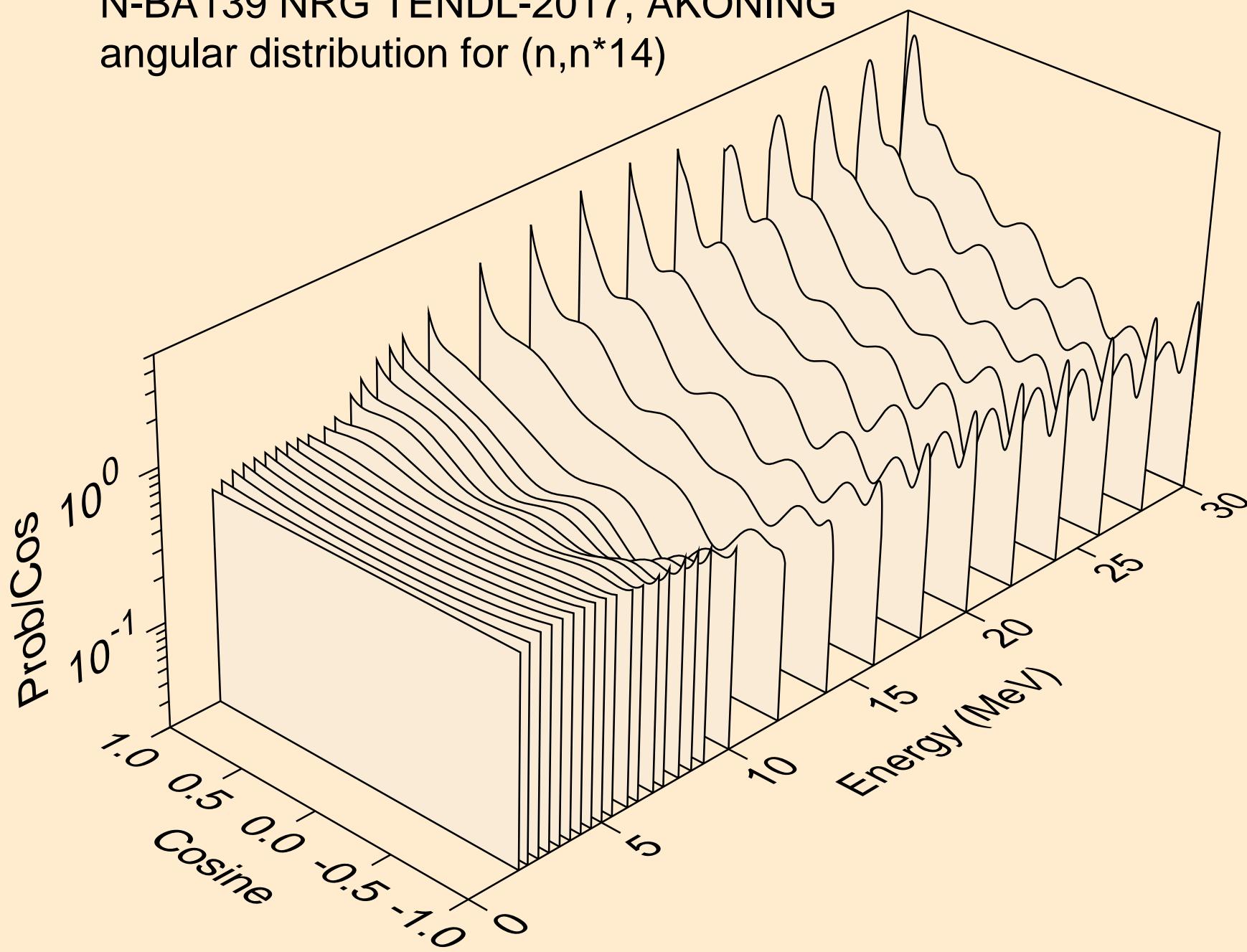
N-BA139 NRG TENDL-2017, AKONING
angular distribution for (n,n^*12)



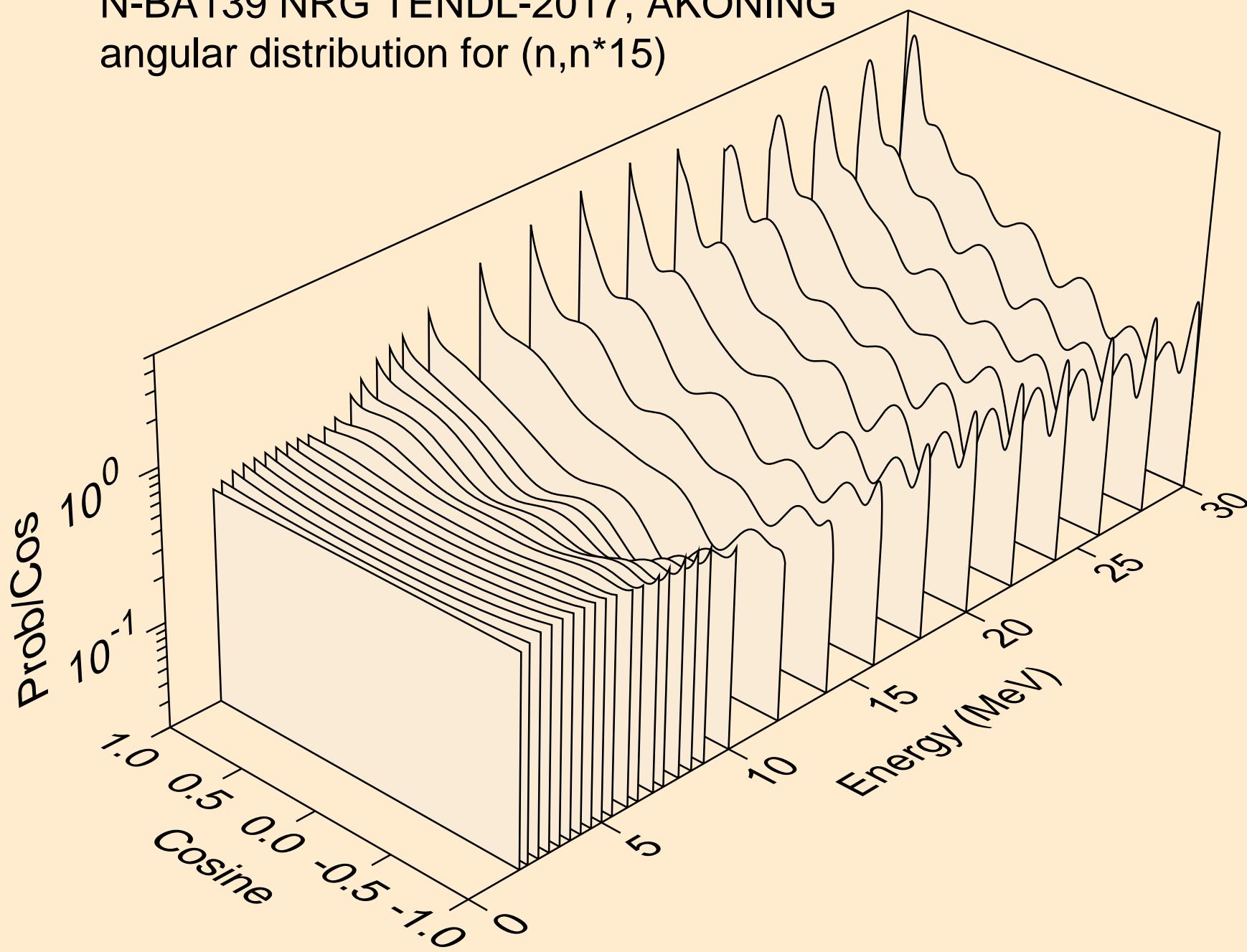
N-BA139 NRG TENDL-2017, AKONING
angular distribution for (n,n*13)



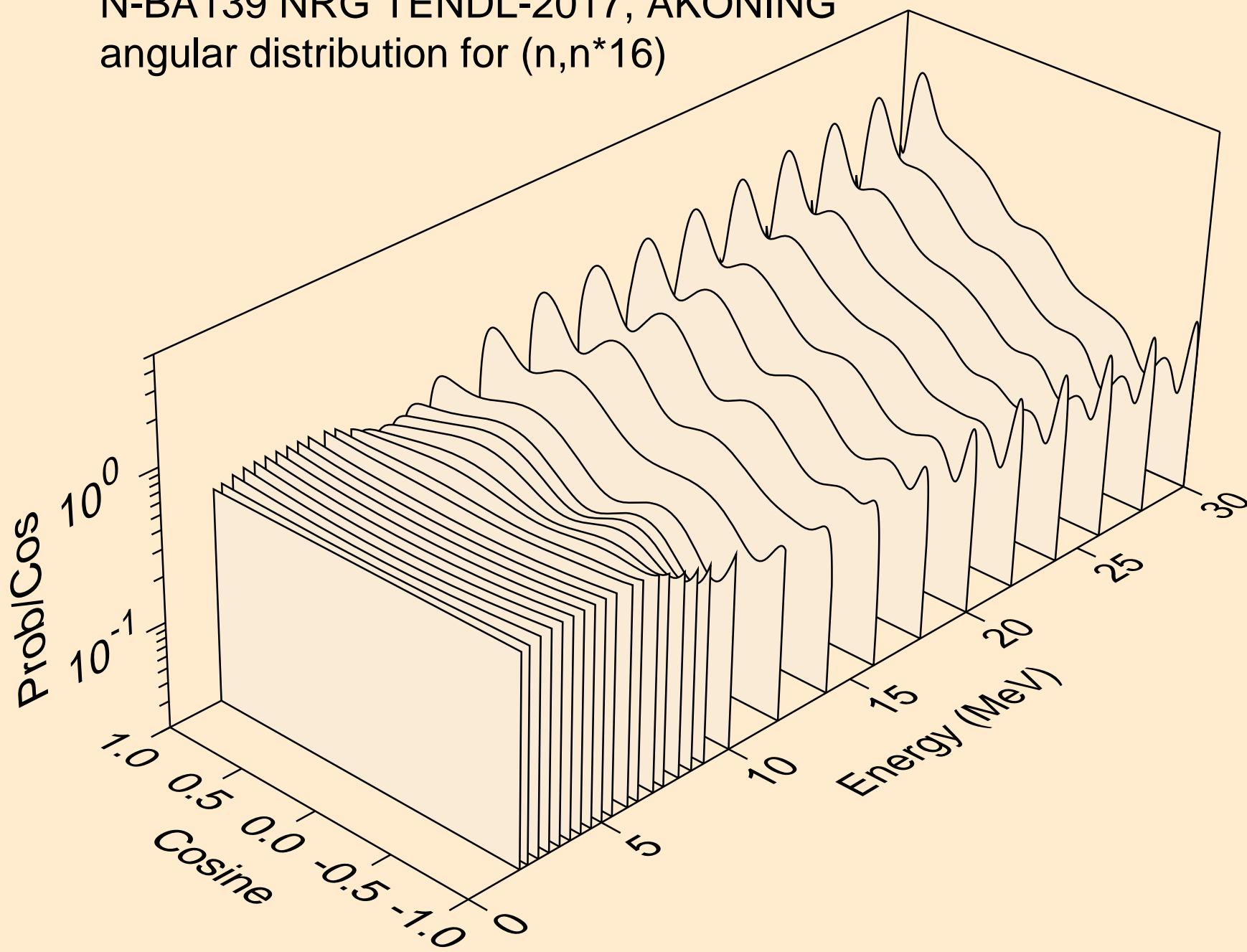
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angular distribution for (n,n*14)



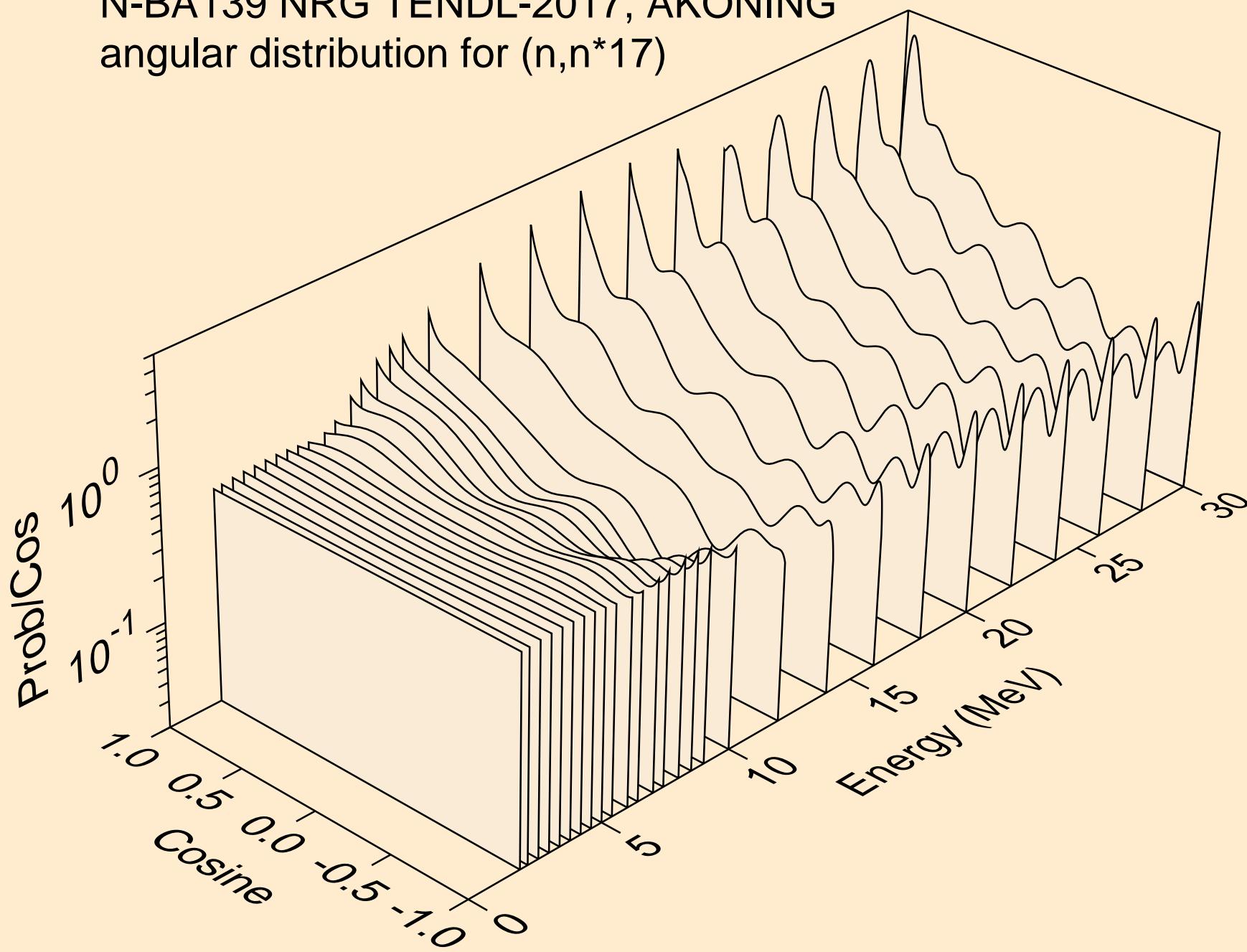
N-BA139 NRG TENDL-2017, AKONING
angular distribution for (n,n^*15)



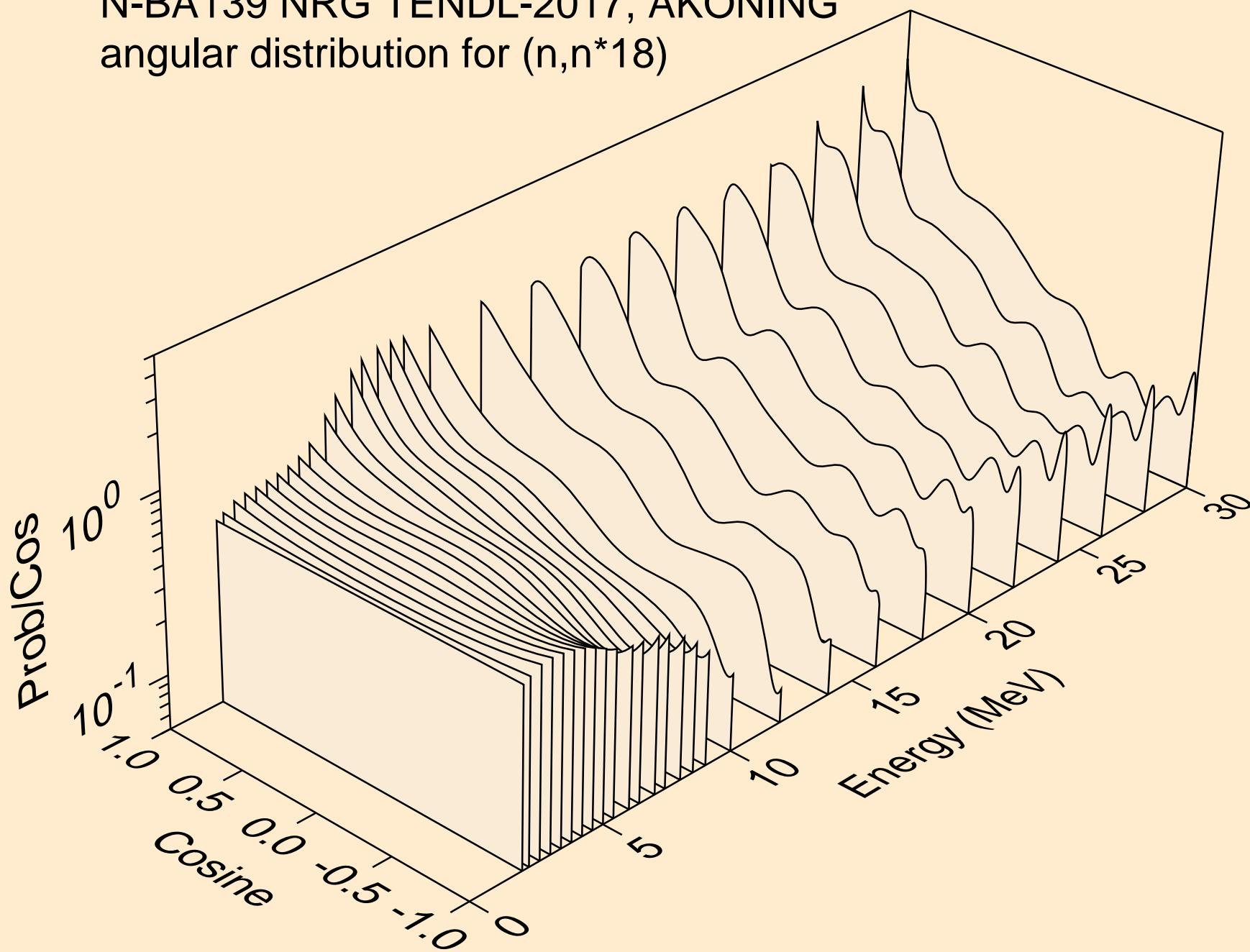
N-BA139 NRG TENDL-2017, AKONING
angular distribution for (n,n*16)



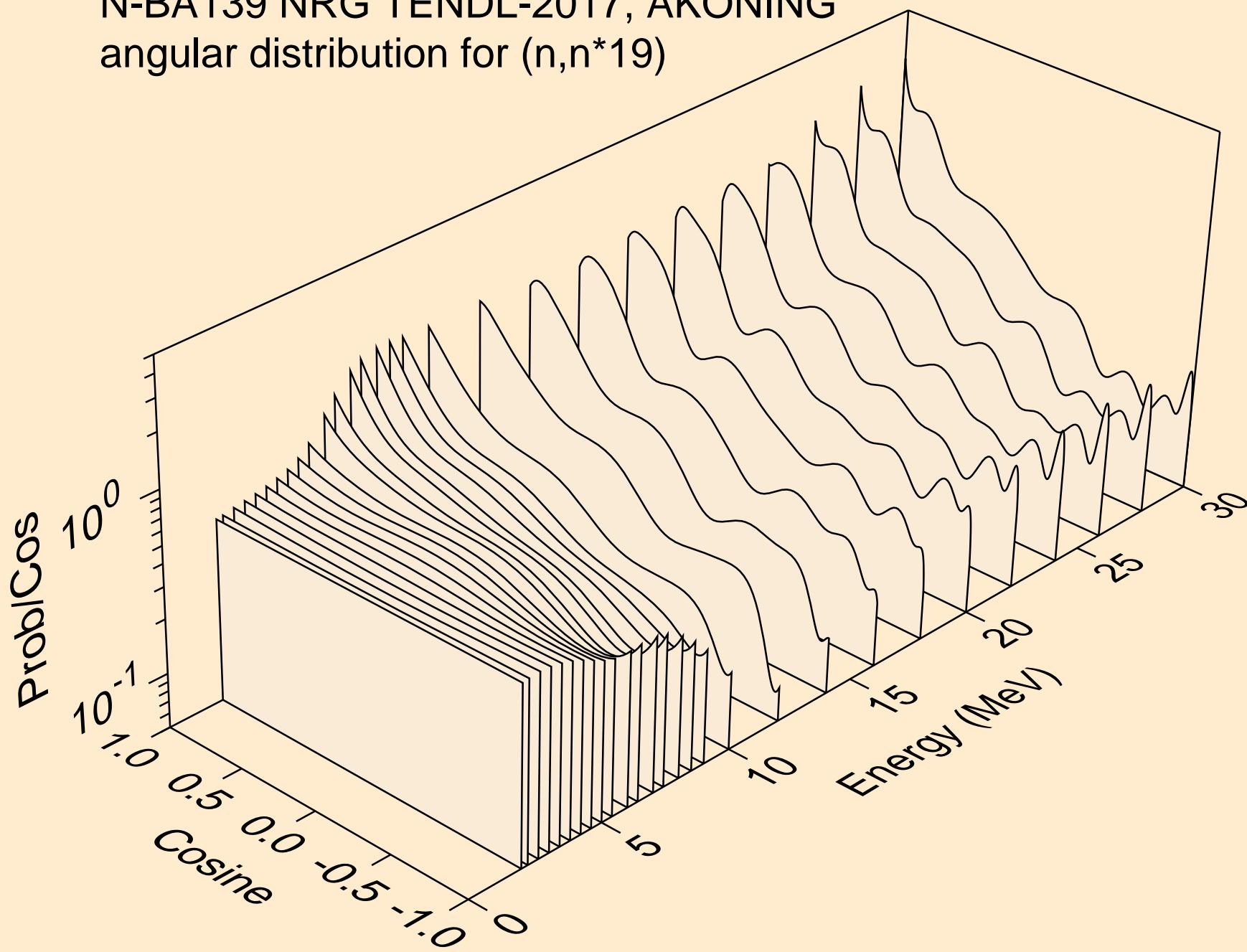
N-BA139 NRG TENDL-2017, AKONING
angular distribution for (n,n*17)



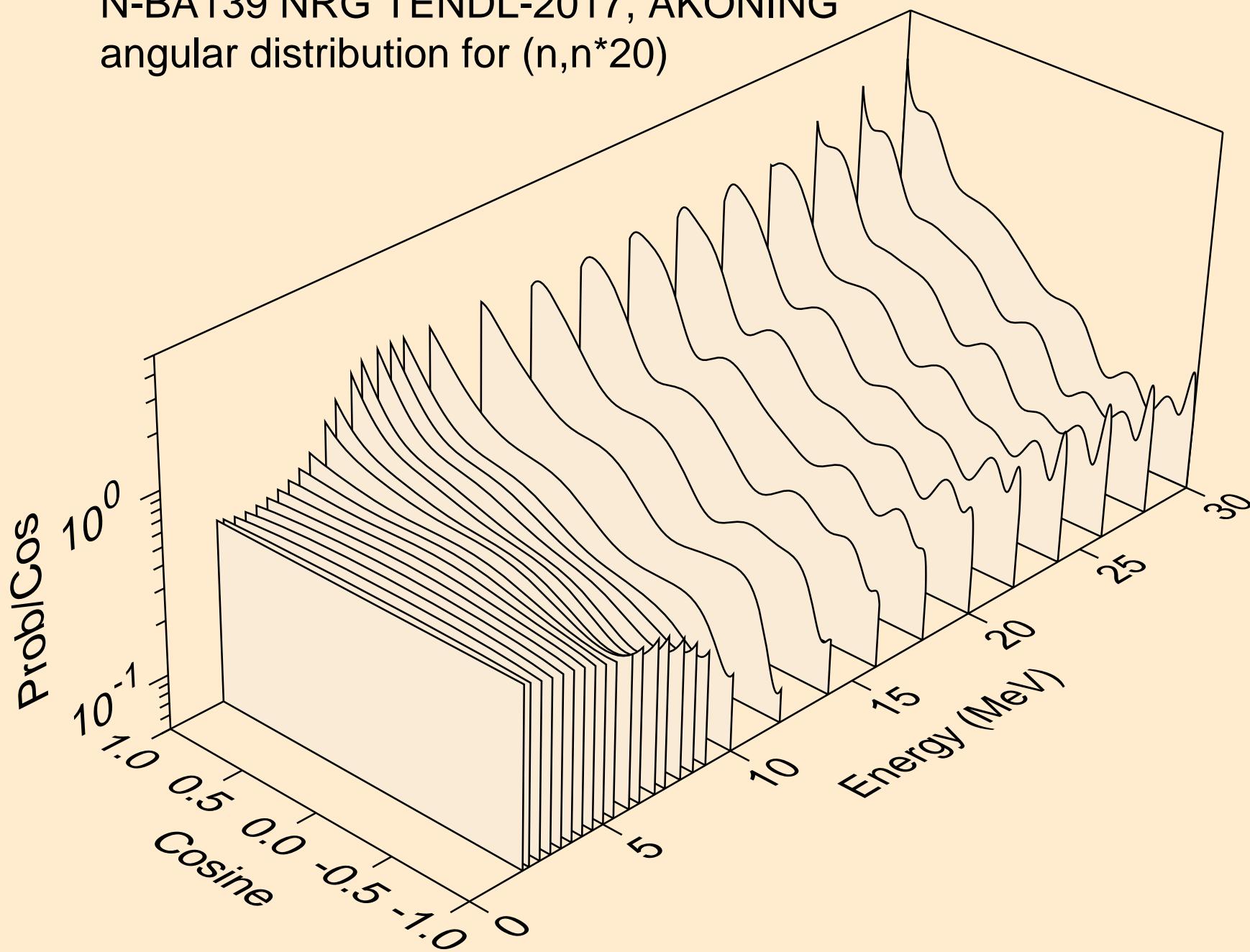
N-BA139 NRG TENDL-2017, AKONING
angular distribution for (n,n*18)



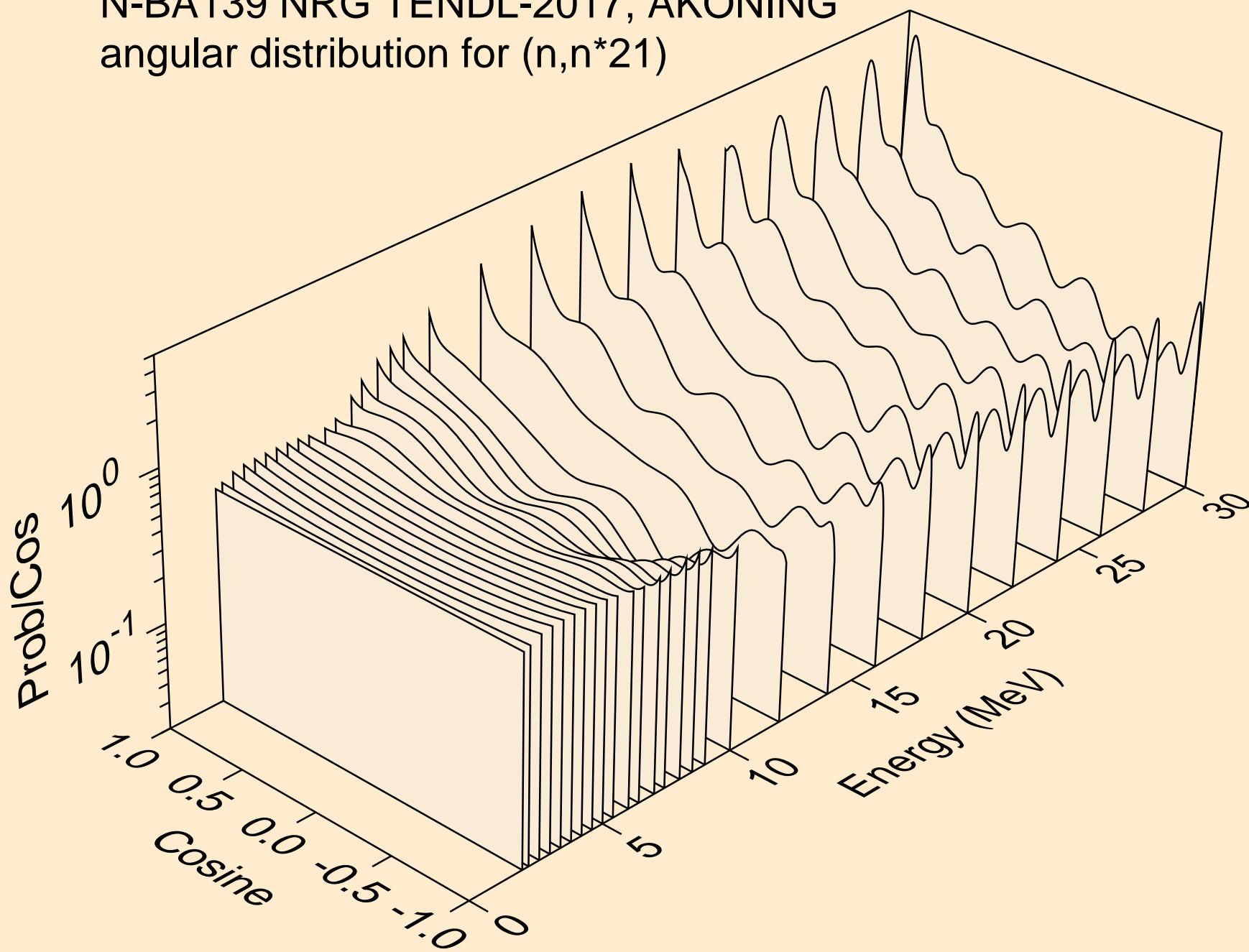
N-BA139 NRG TENDL-2017, AKONING
angular distribution for (n,n*19)



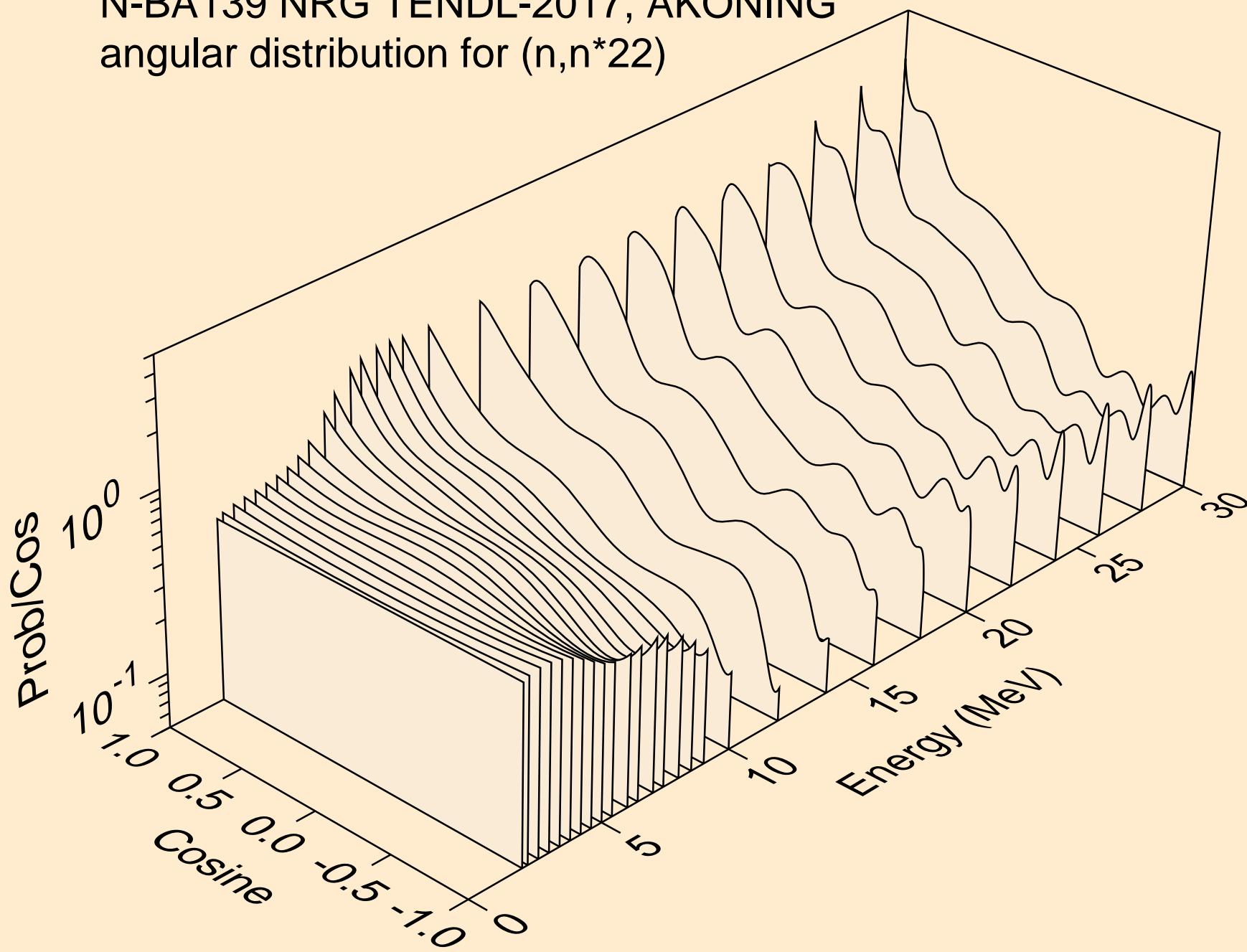
N-BA139 NRG TENDL-2017, AKONING
angular distribution for (n,n^*) 20



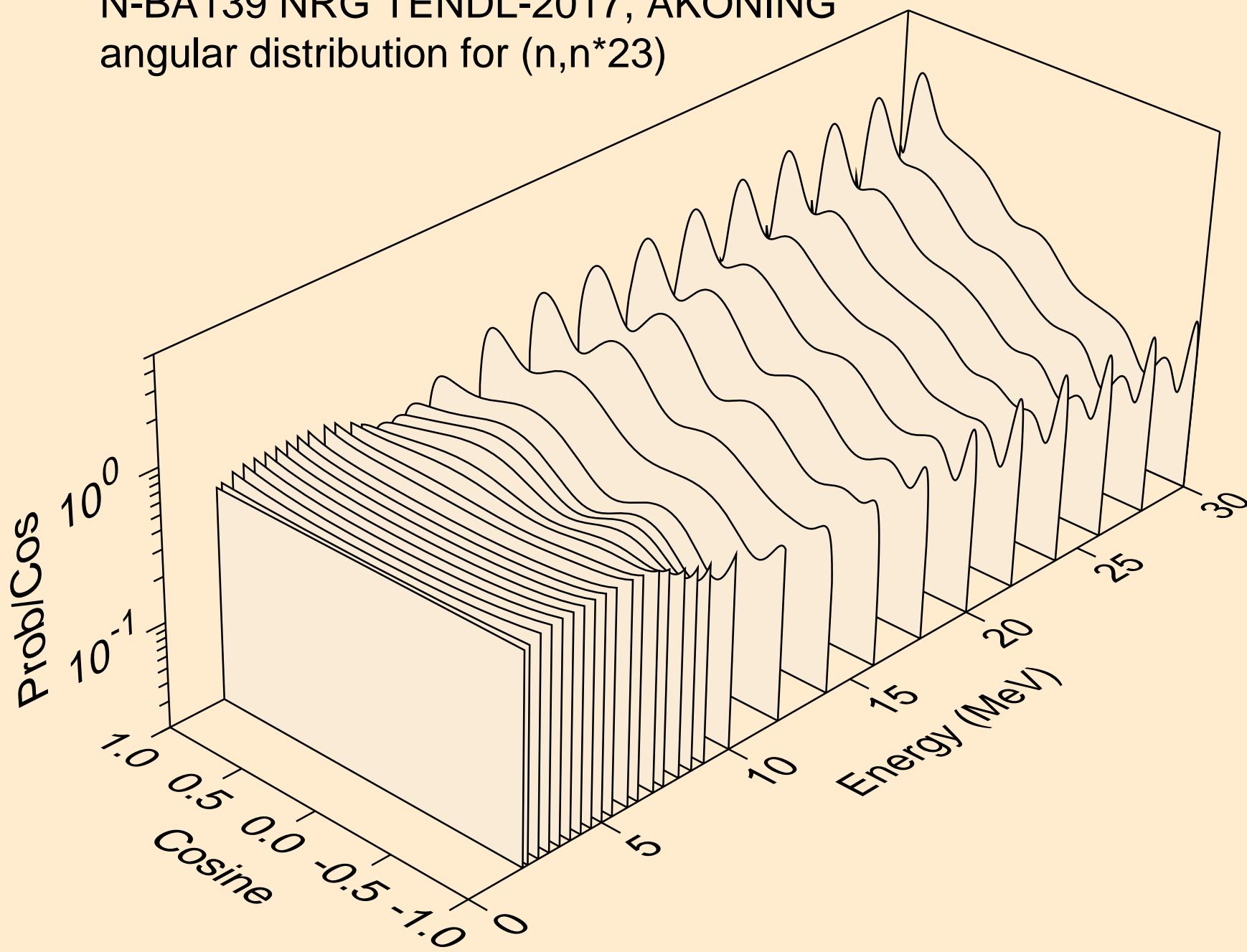
N-BA139 NRG TENDL-2017, AKONING
angular distribution for (n,n*21)



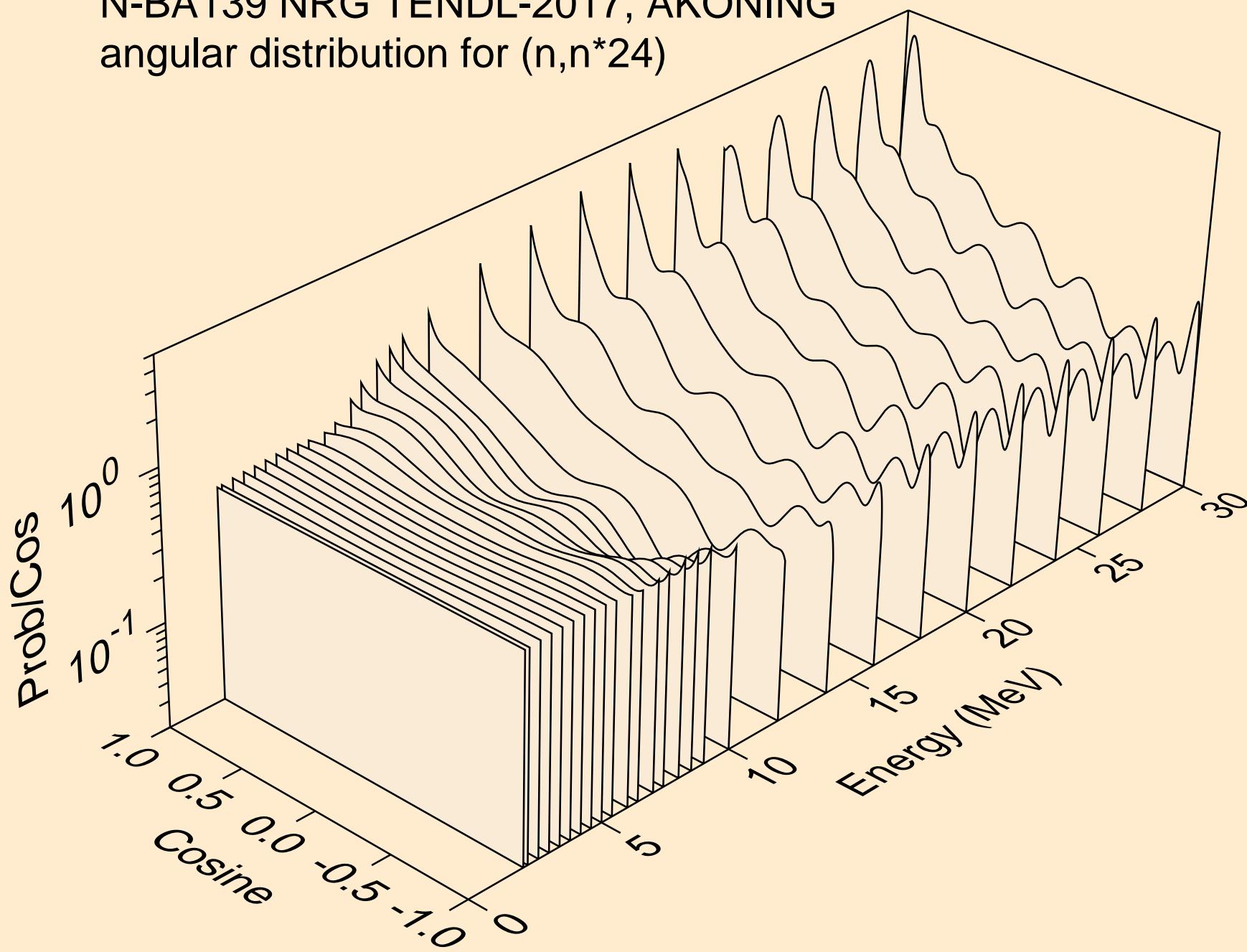
N-BA139 NRG TENDL-2017, AKONING
angular distribution for $(n,n^*)_{22}$



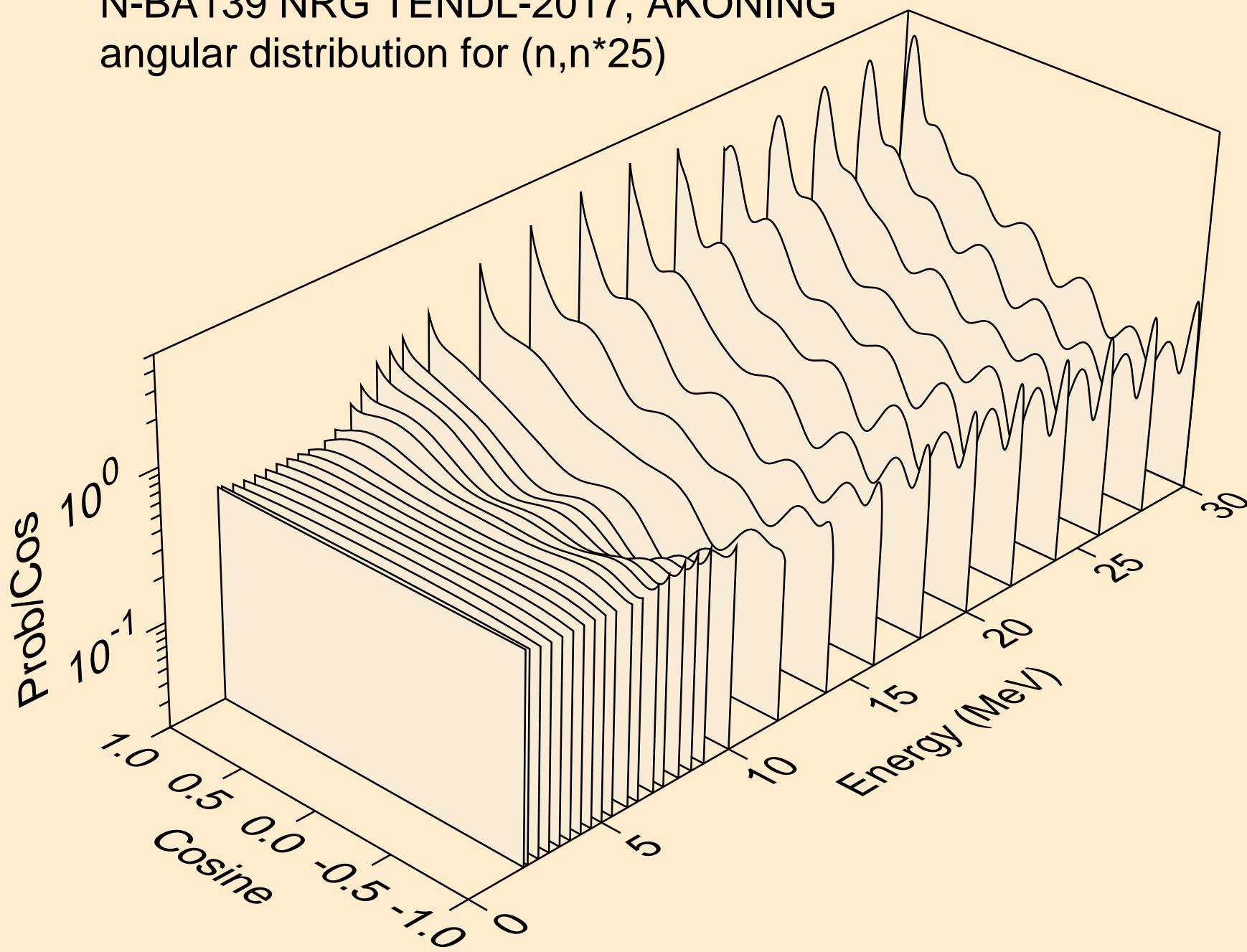
N-BA139 NRG TENDL-2017, AKONING
angular distribution for (n,n*23)



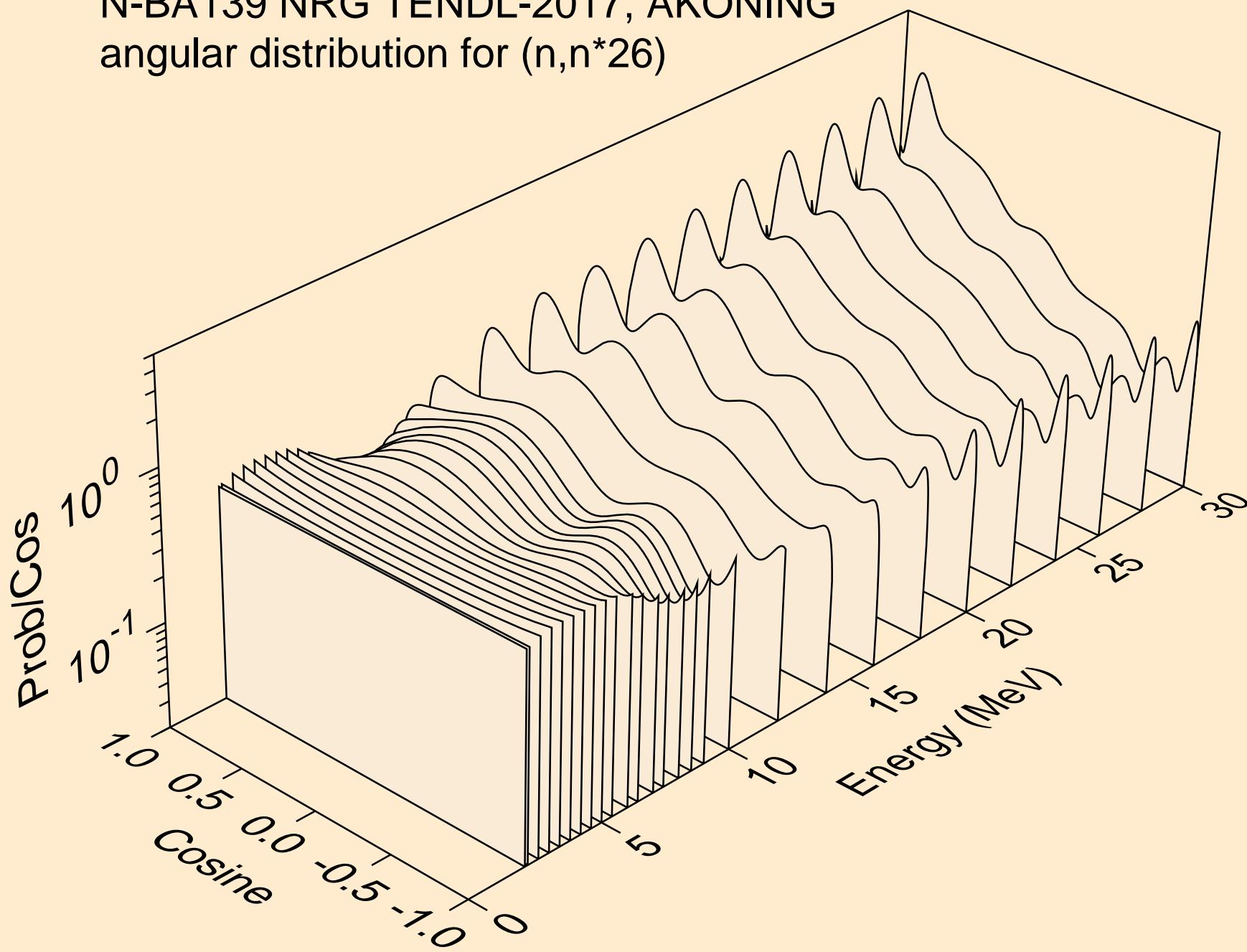
N-BA139 NRG TENDL-2017, AKONING
angular distribution for $(n,n^*)^{24}$



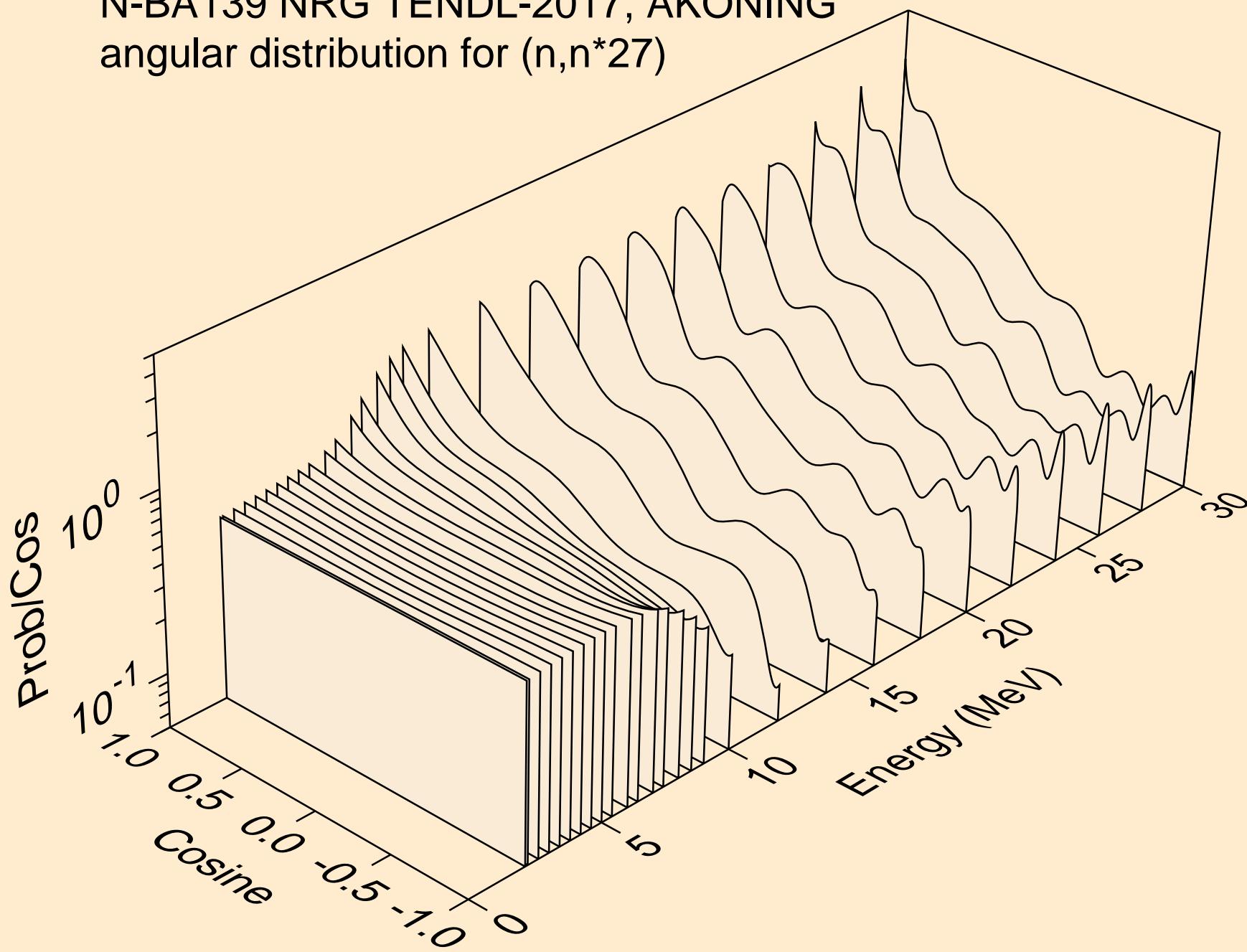
N-BA139 NRG TENDL-2017, AKONING
angular distribution for (n,n*25)



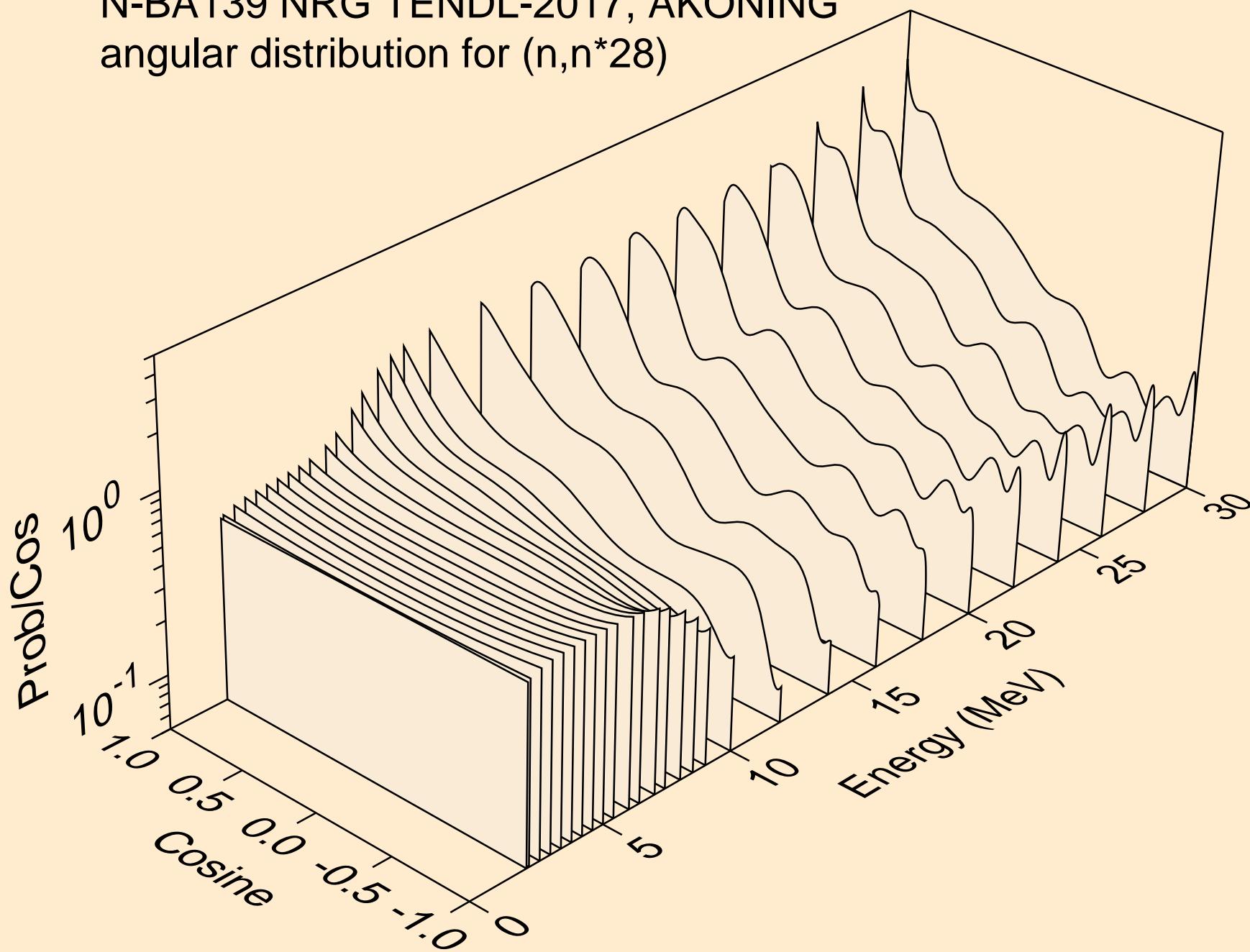
N-BA139 NRG TENDL-2017, AKONING
angular distribution for (n,n*26)



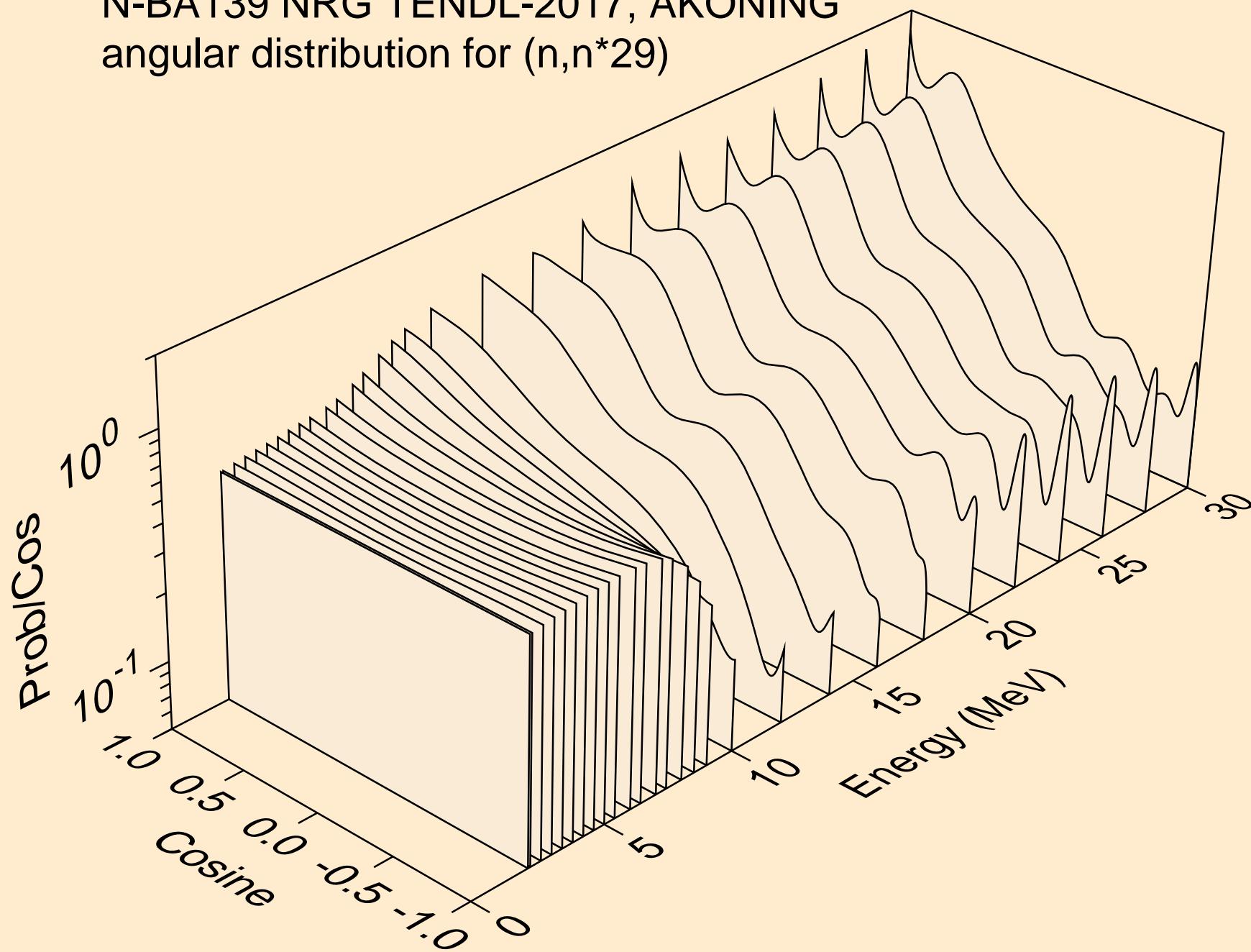
N-BA139 NRG TENDL-2017, AKONING
angular distribution for $(n,n^*)_{27}$



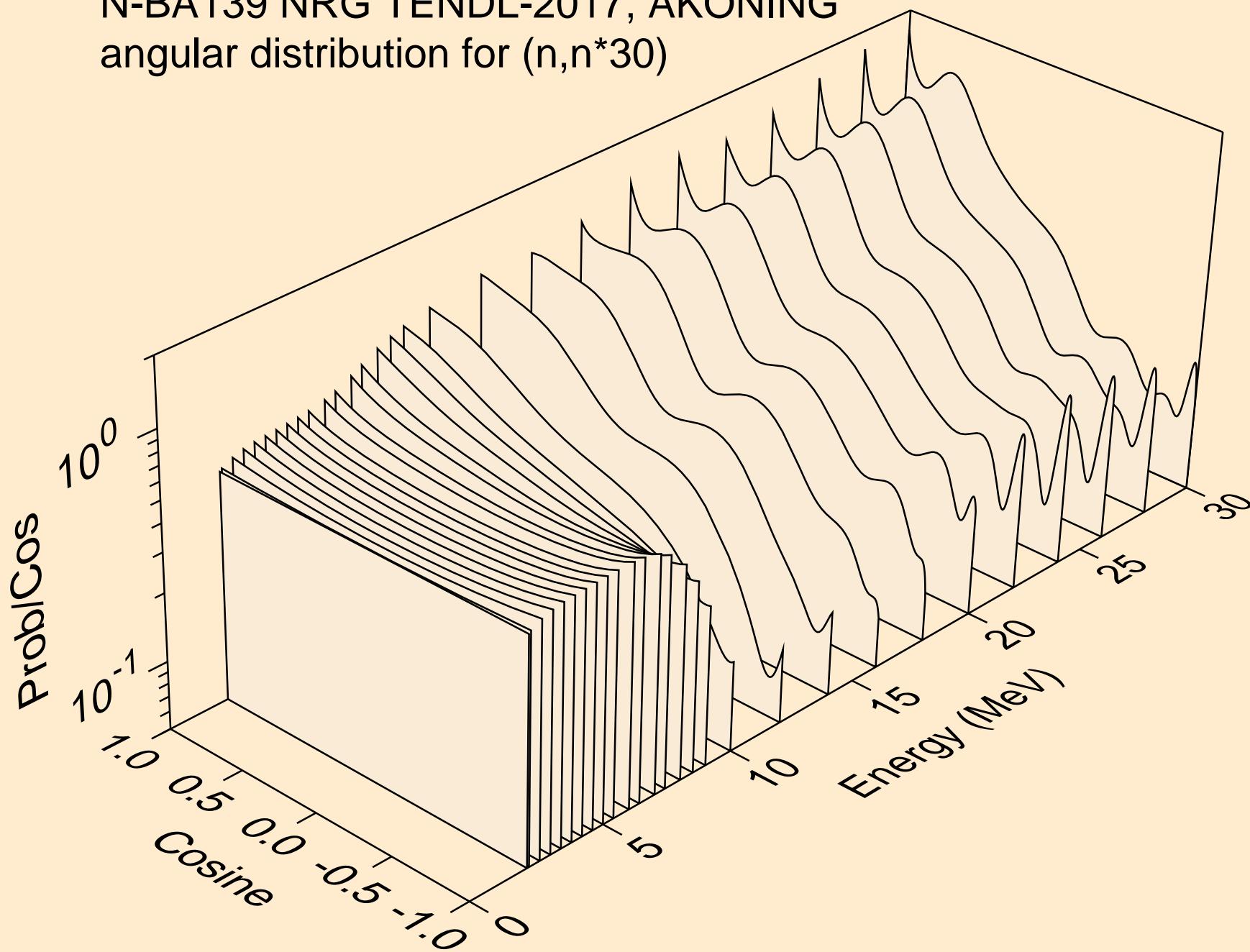
N-BA139 NRG TENDL-2017, AKONING
angular distribution for $(n,n^*)^{28}$



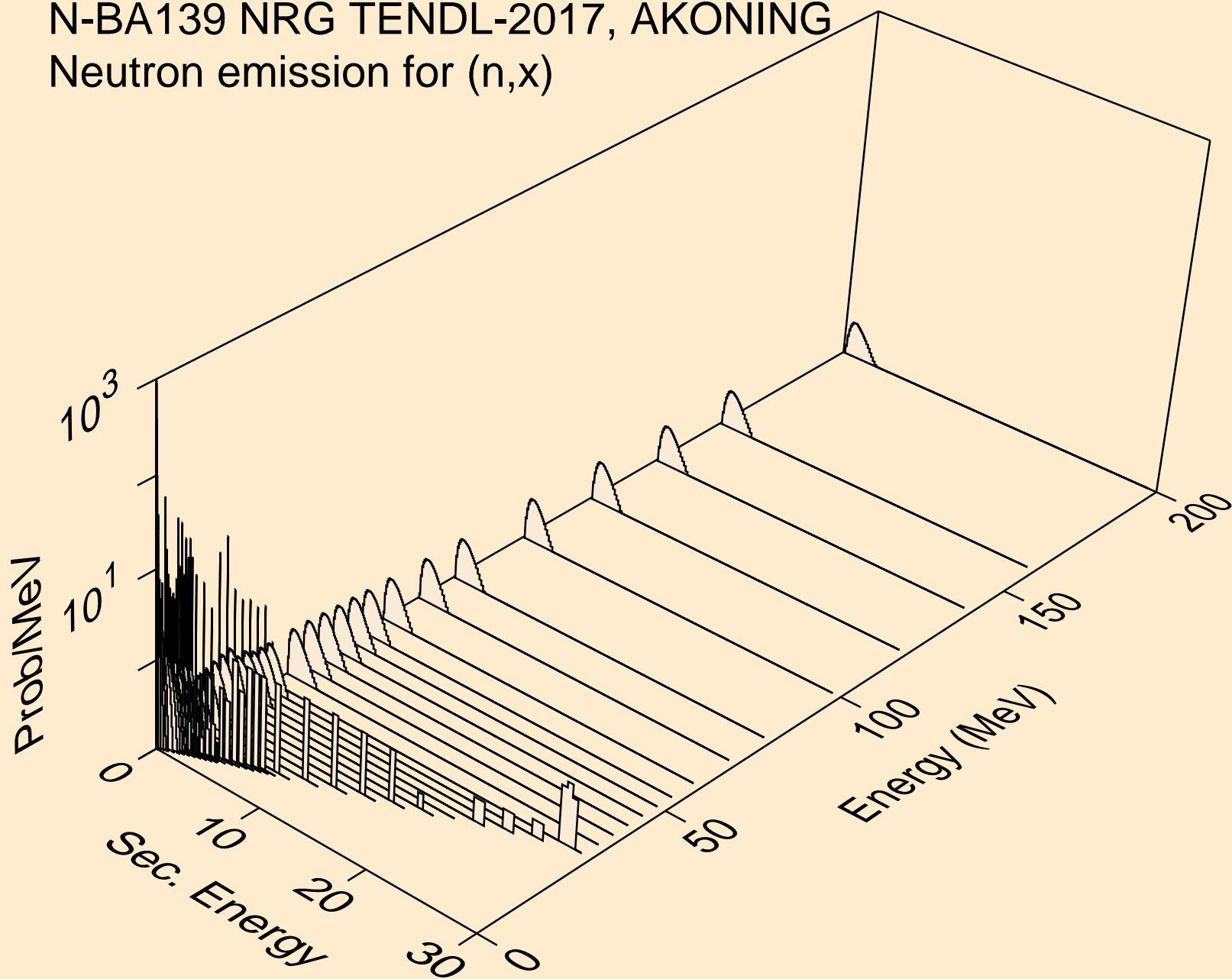
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angular distribution for $(n,n^*{}^{29})$



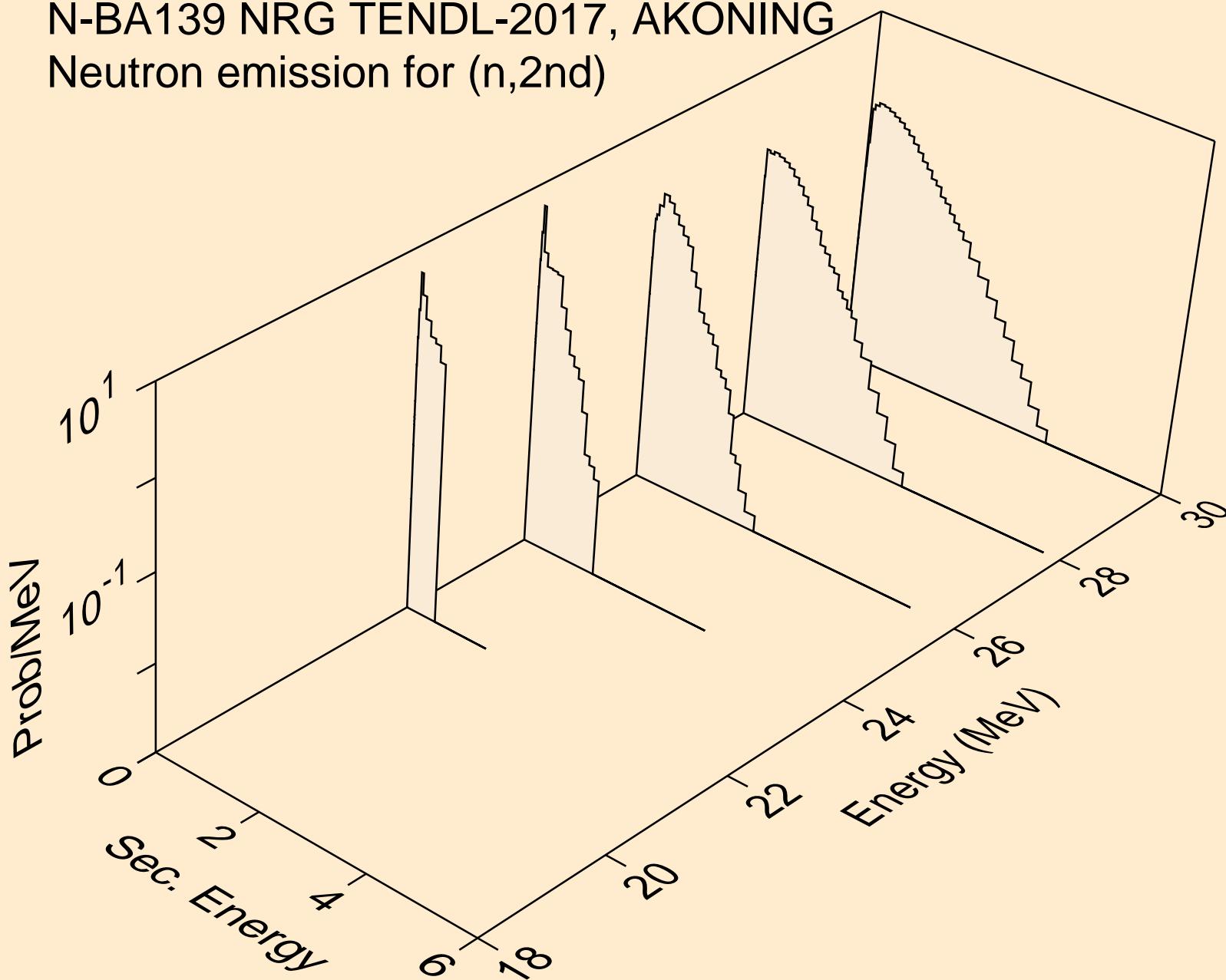
N-BA139 NRG TENDL-2017, AKONING
angular distribution for (n,n*30)



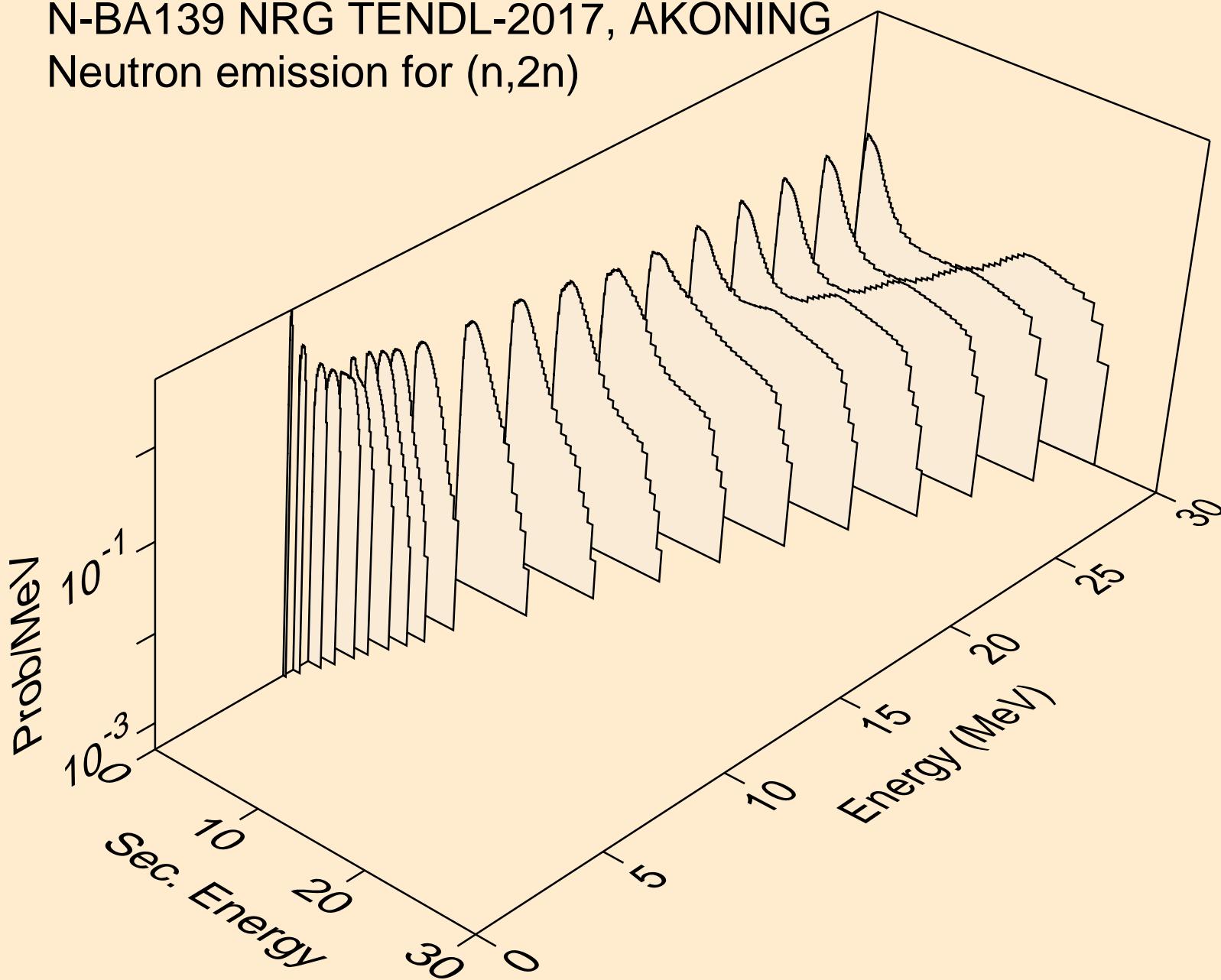
N-BA139 NRG TENDL-2017, AKONING
Neutron emission for (n,x)



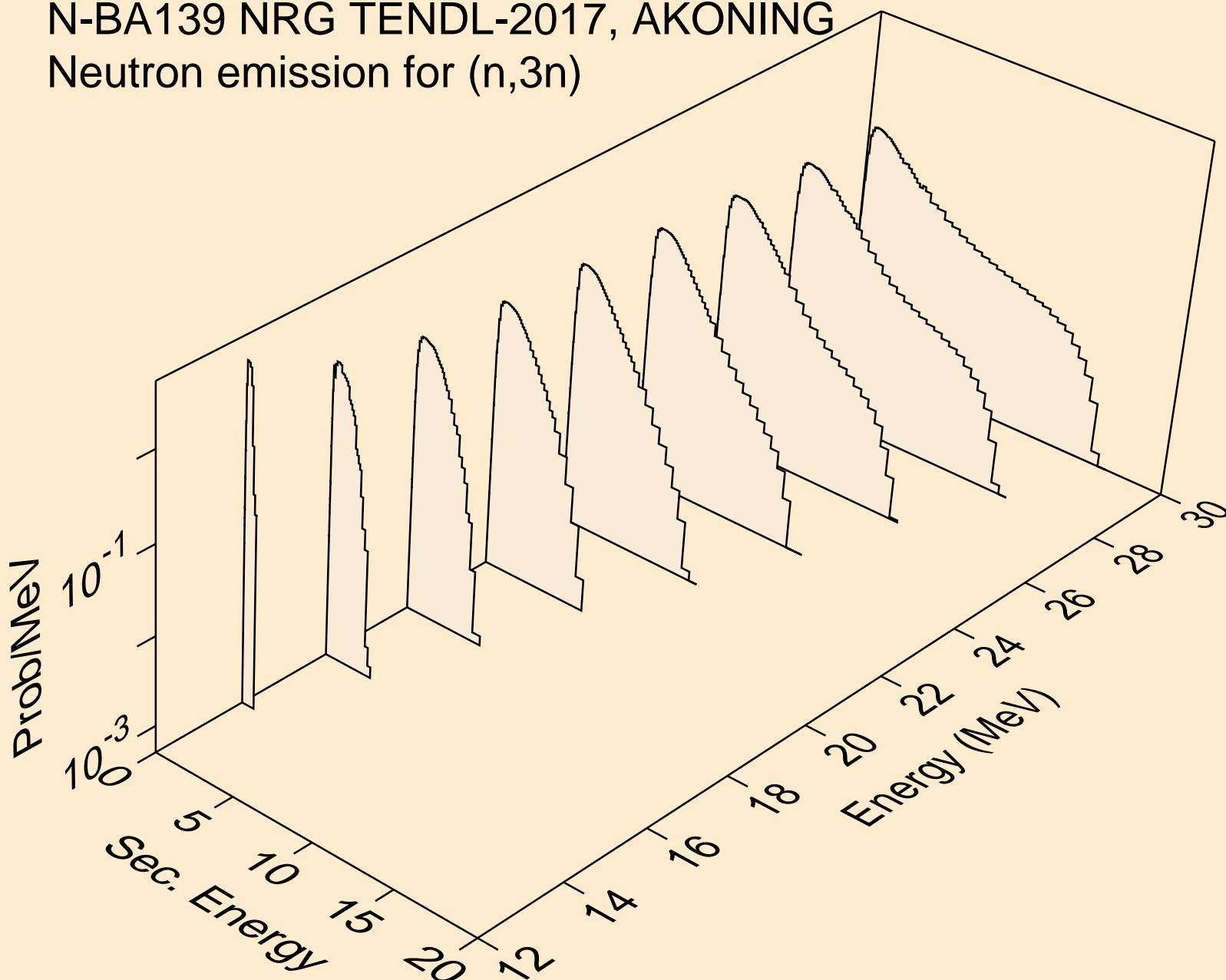
N-BA139 NRG TENDL-2017, AKONING
Neutron emission for (n,2nd)



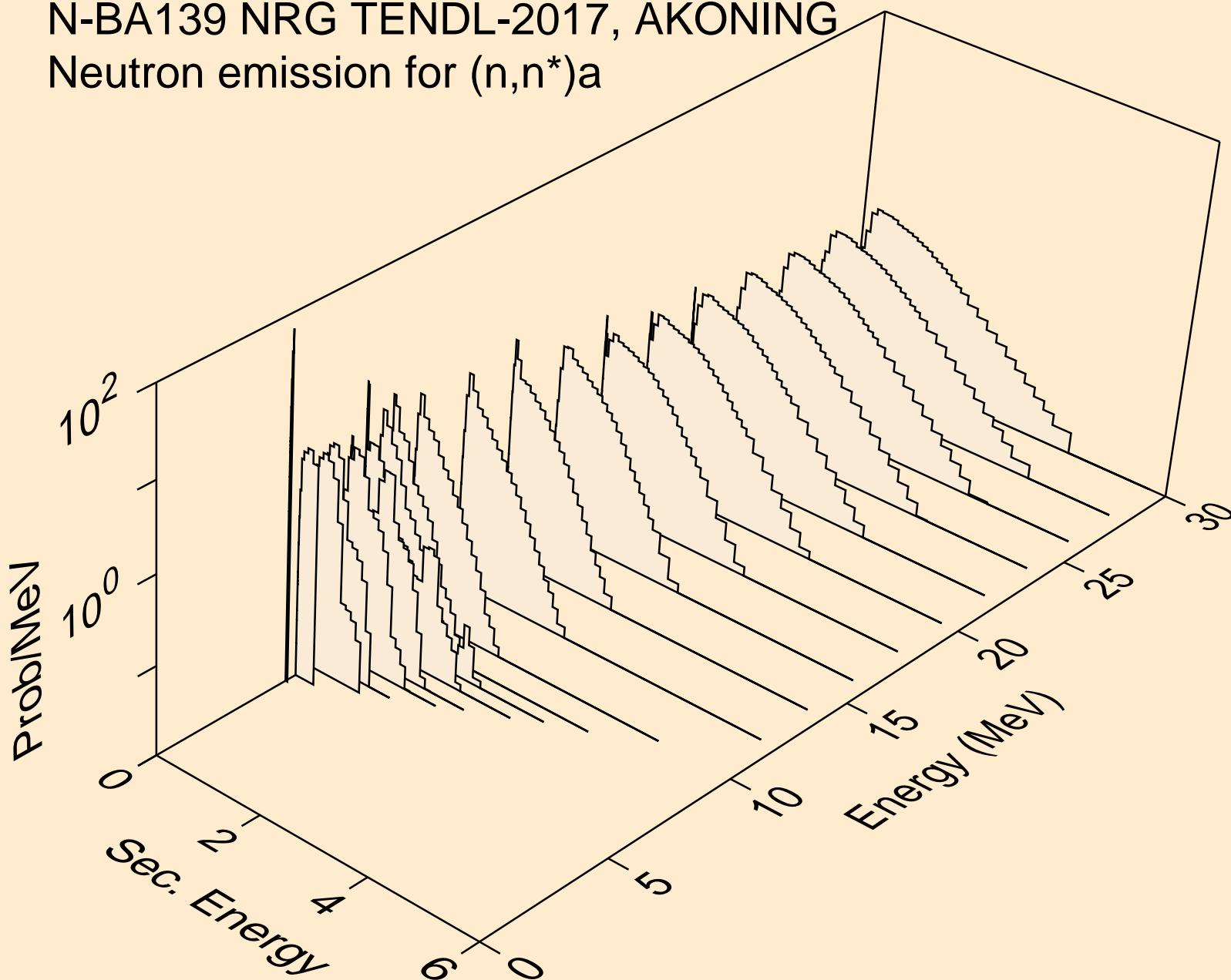
N-BA139 NRG TENDL-2017, AKONING
Neutron emission for (n,2n)



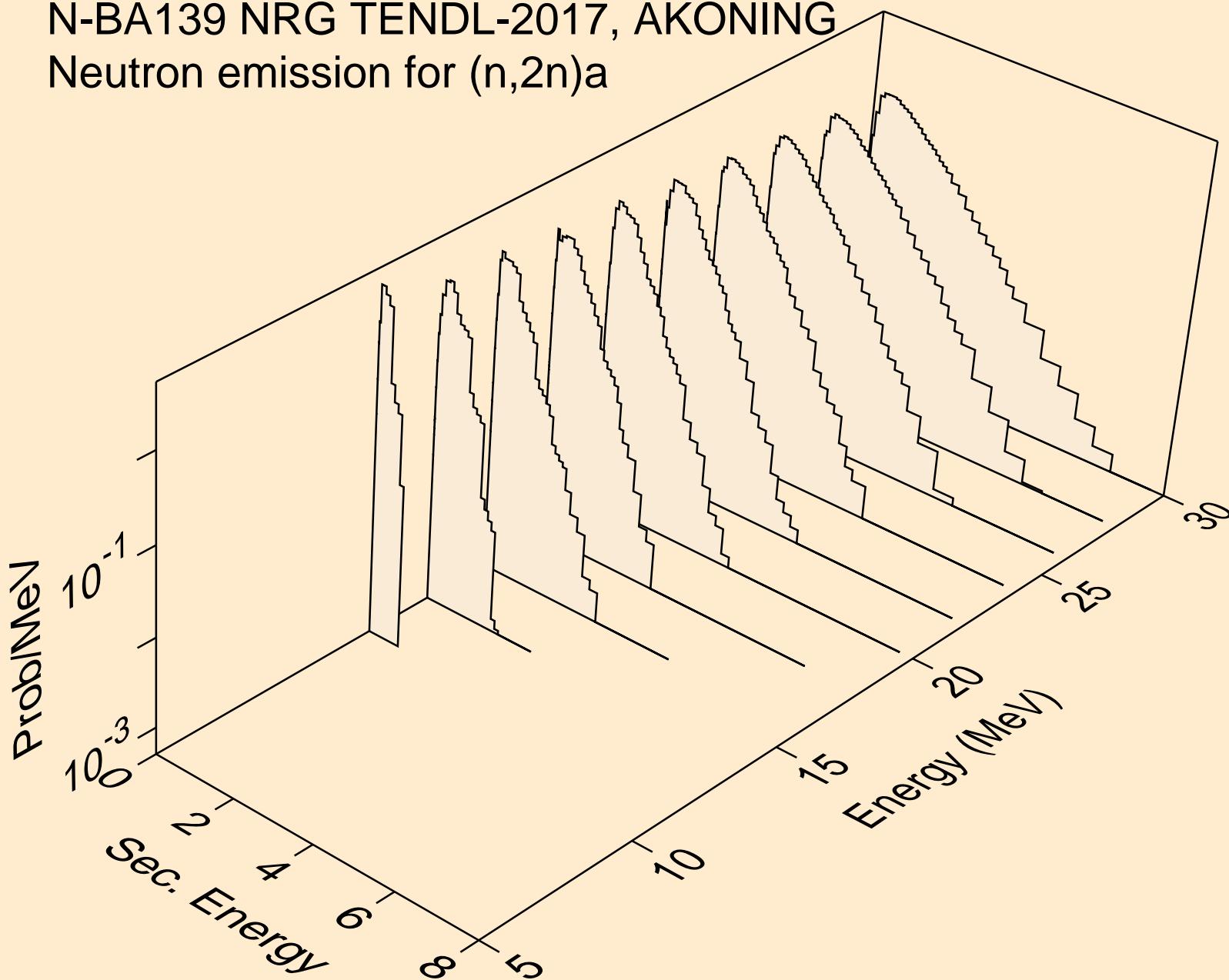
N-BA139 NRG TENDL-2017, AKONING
Neutron emission for (n,3n)



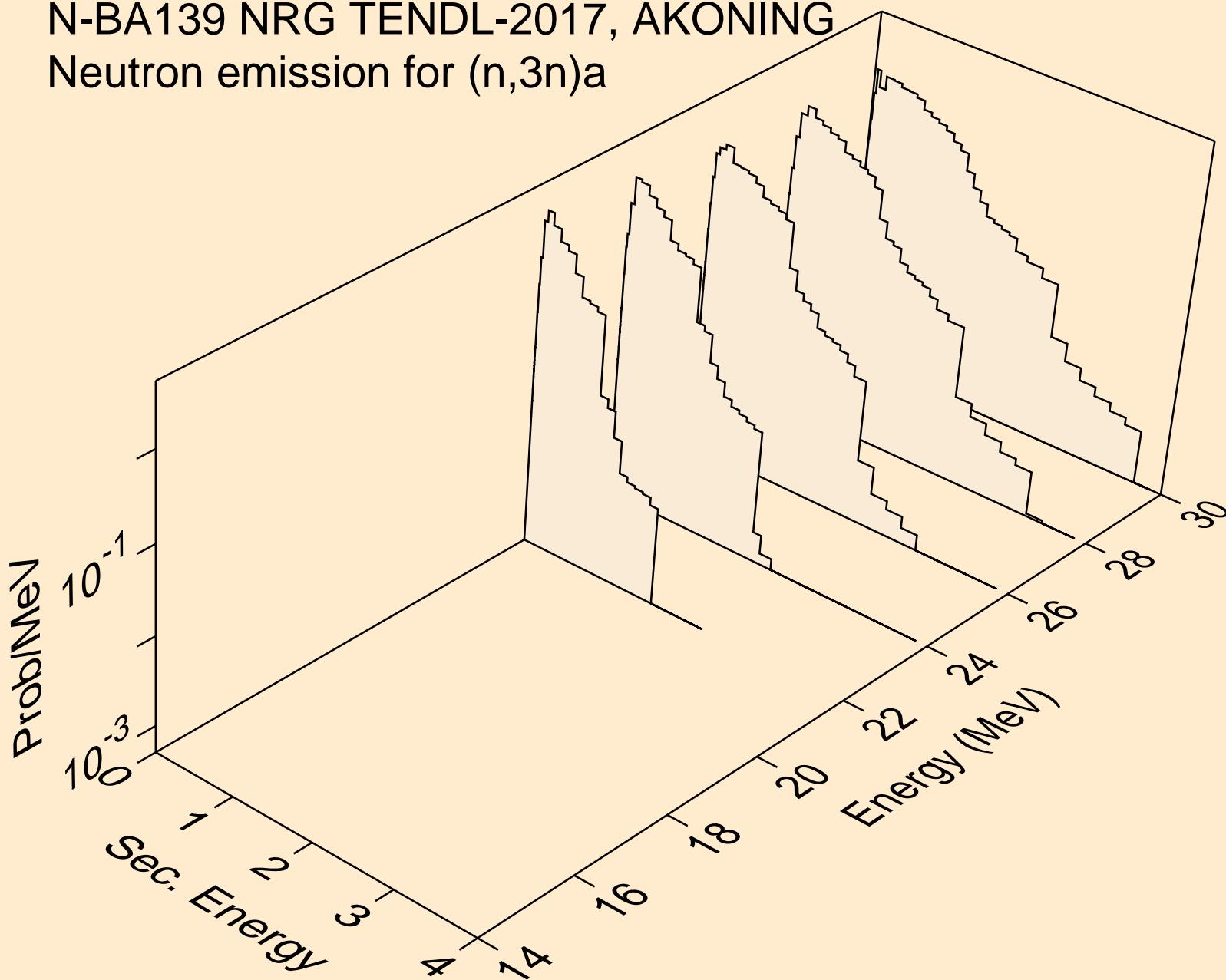
N-BA139 NRG TENDL-2017, AKONING
Neutron emission for $(n,n^*)a$



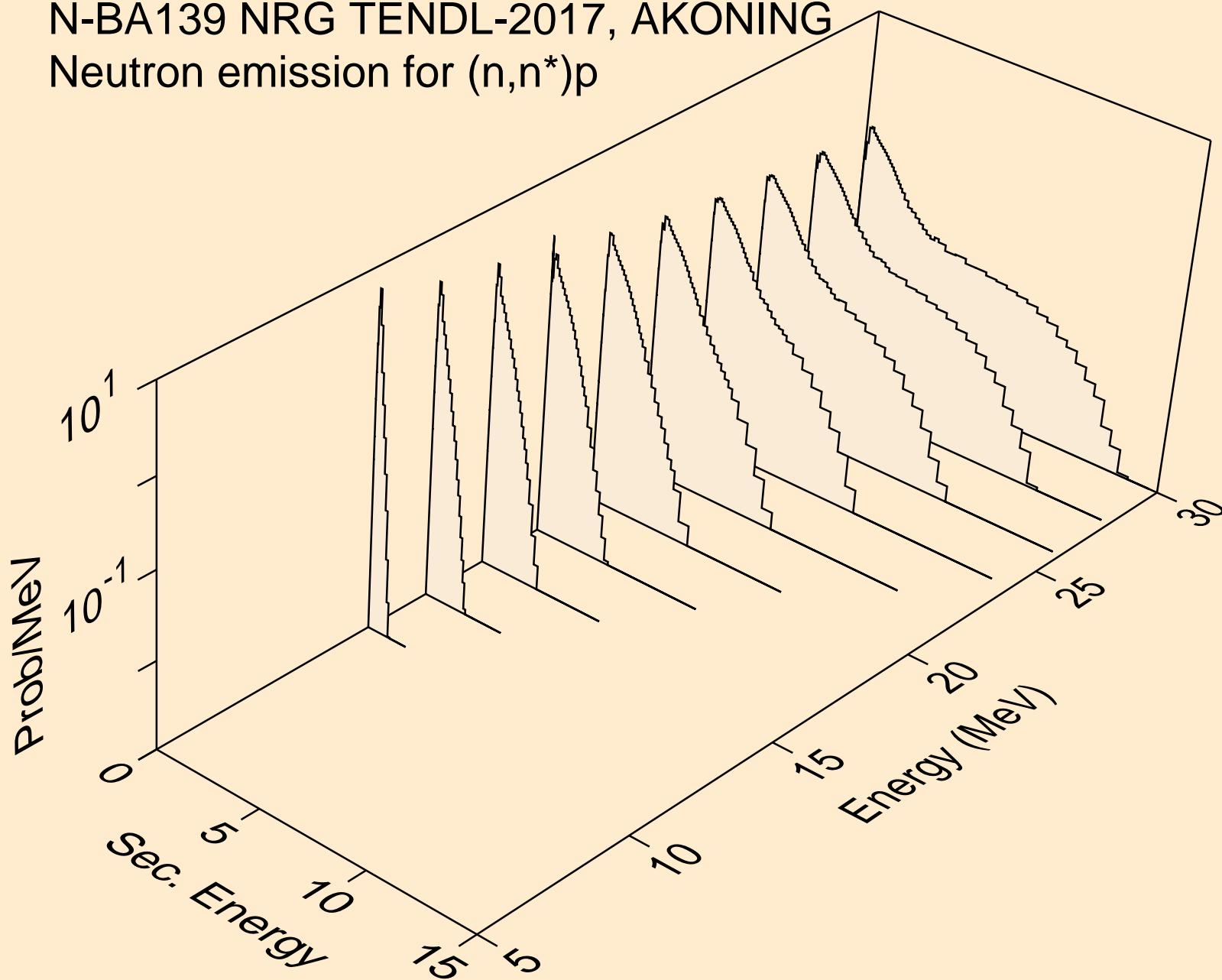
N-BA139 NRG TENDL-2017, AKONING
Neutron emission for (n,2n)a



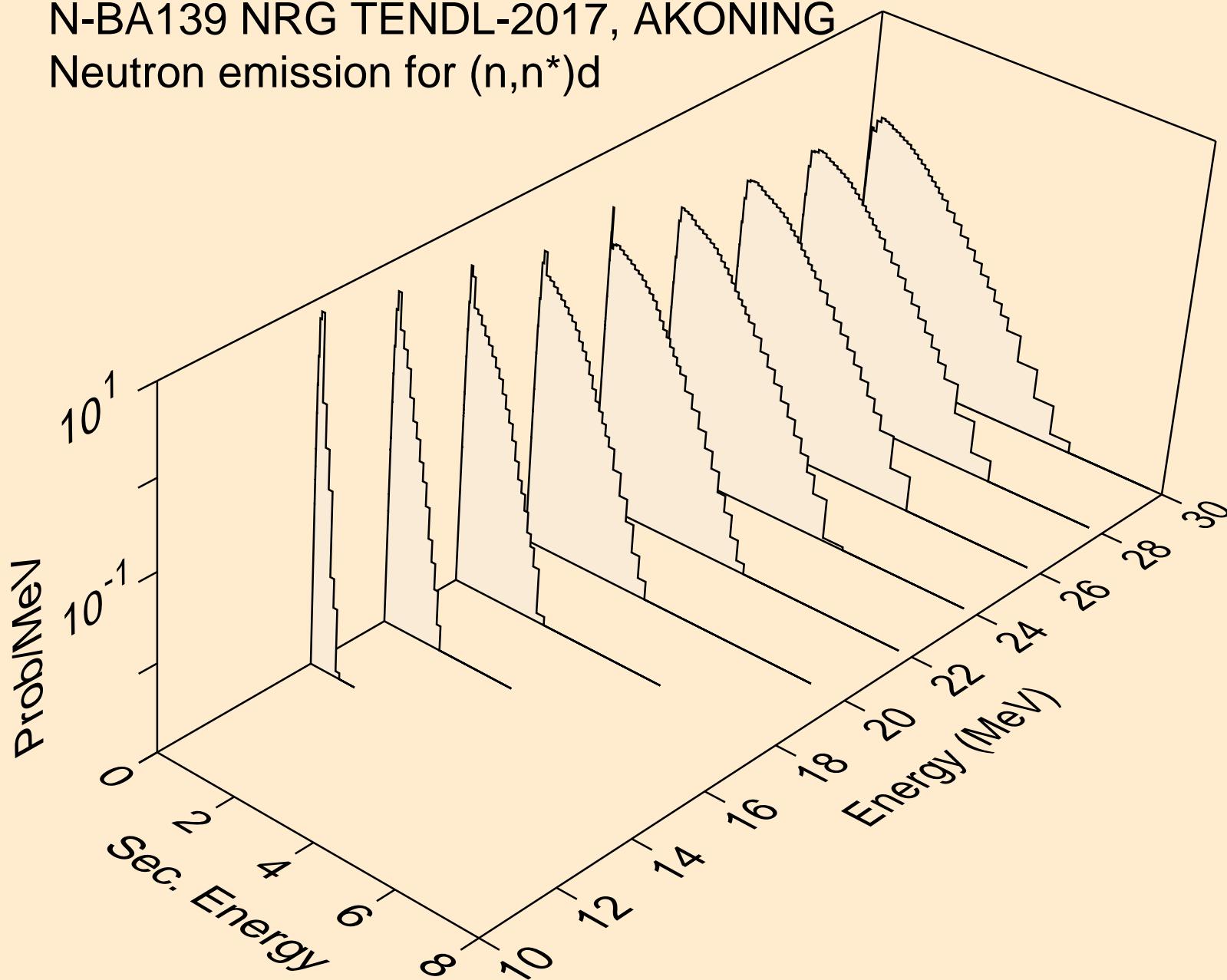
N-BA139 NRG TENDL-2017, AKONING
Neutron emission for (n,3n)a



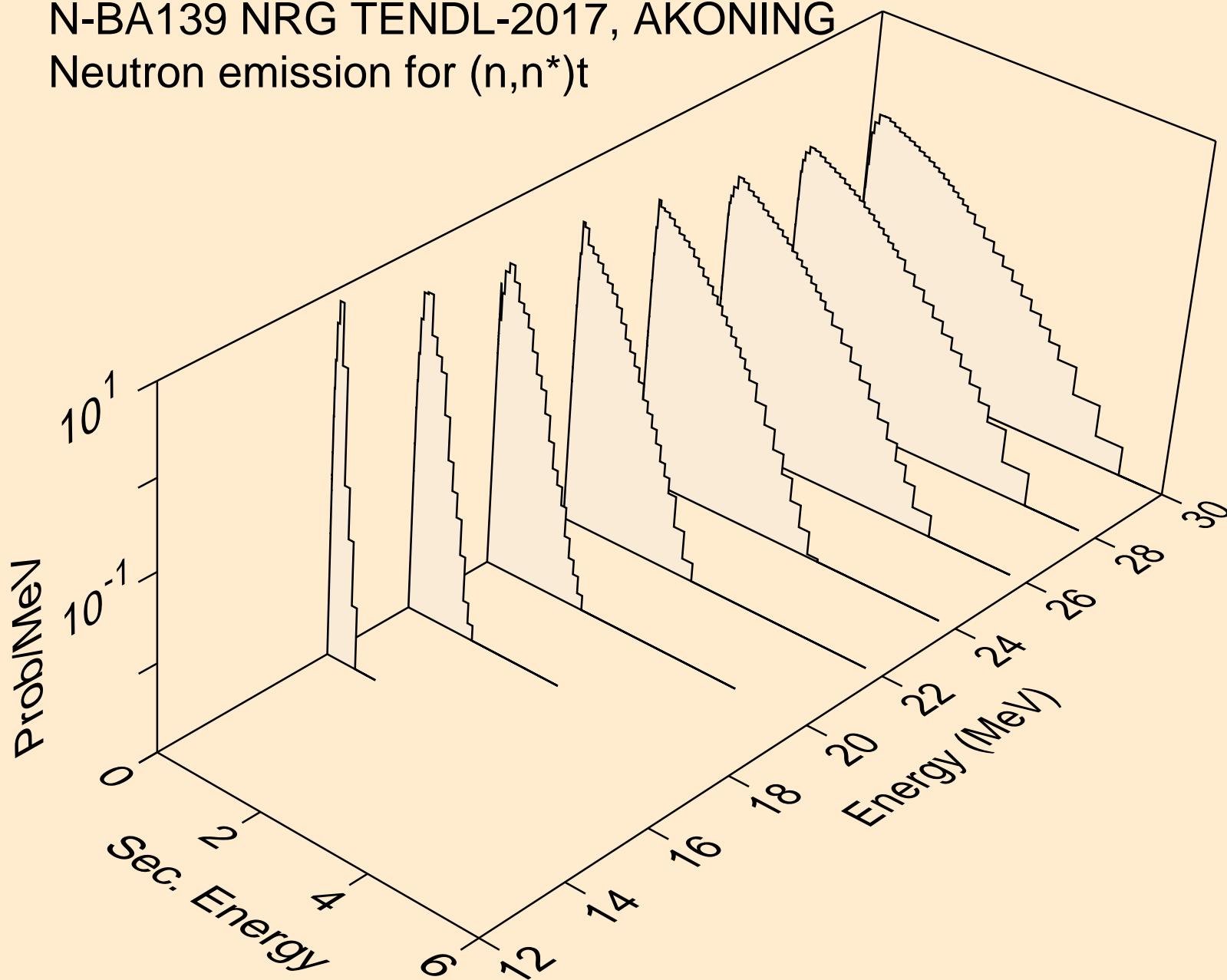
N-BA139 NRG TENDL-2017, AKONING
Neutron emission for $(n,n^*)p$



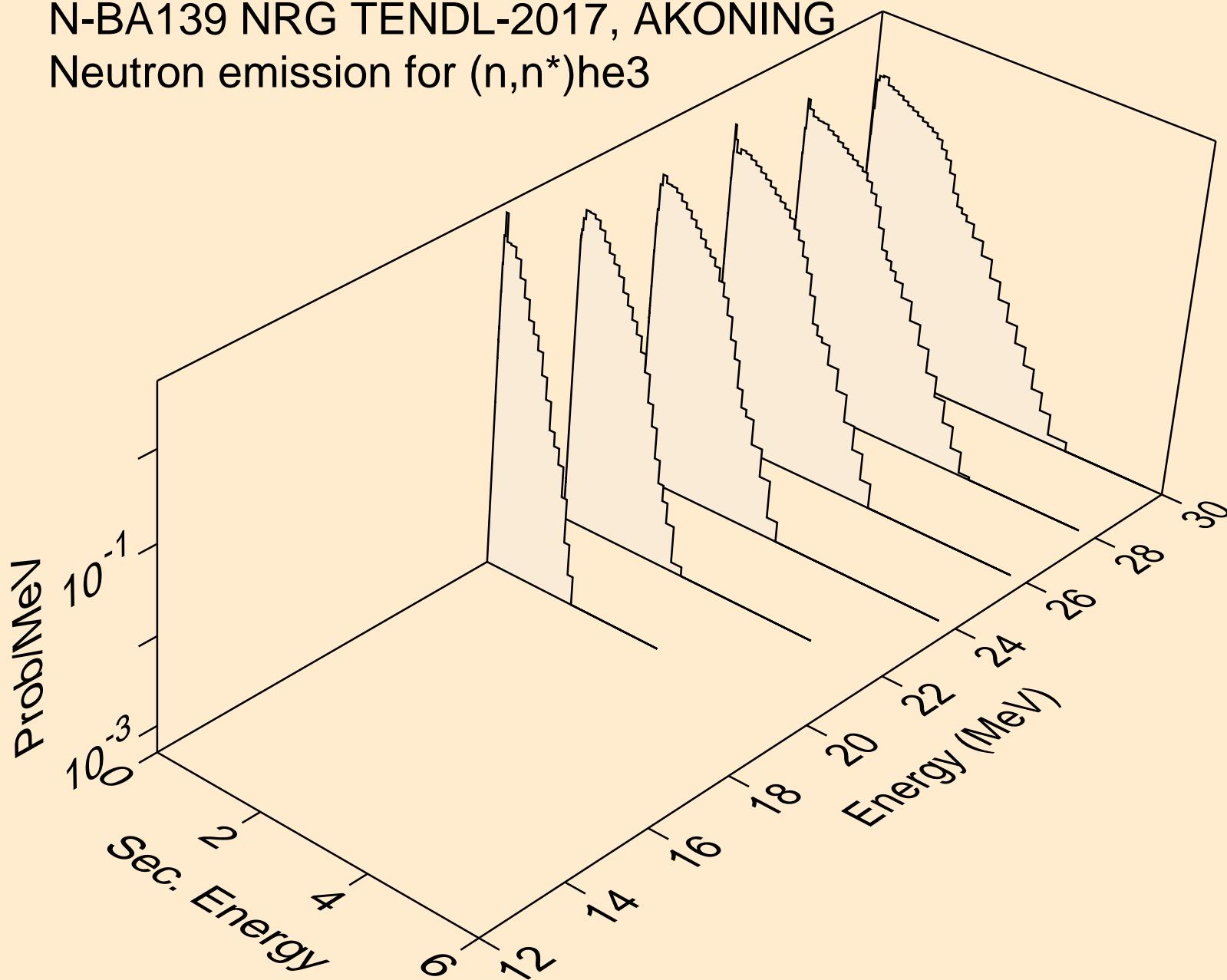
N-BA139 NRG TENDL-2017, AKONING
Neutron emission for $(n,n^*)d$



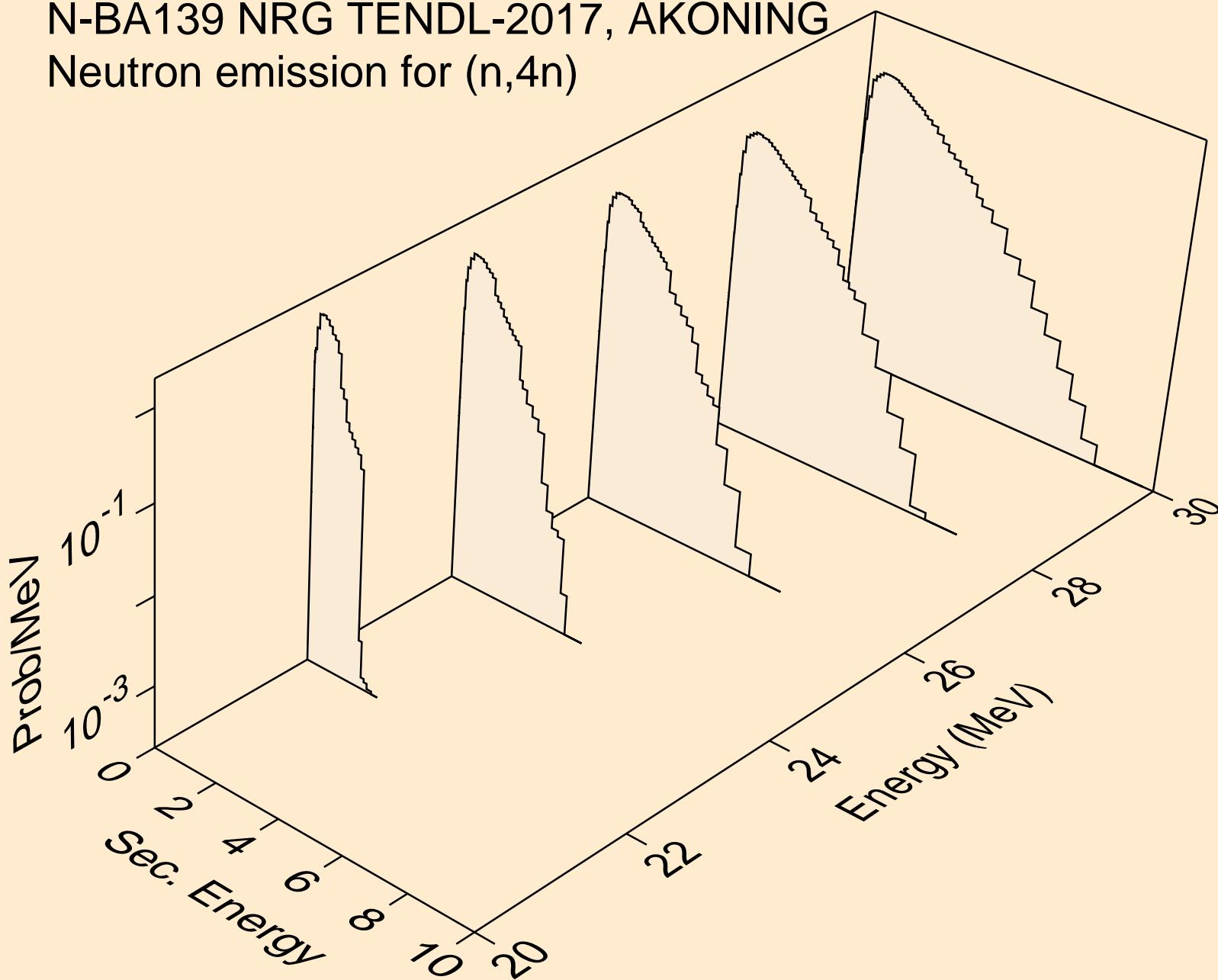
N-BA139 NRG TENDL-2017, AKONING
Neutron emission for $(n,n^*)t$



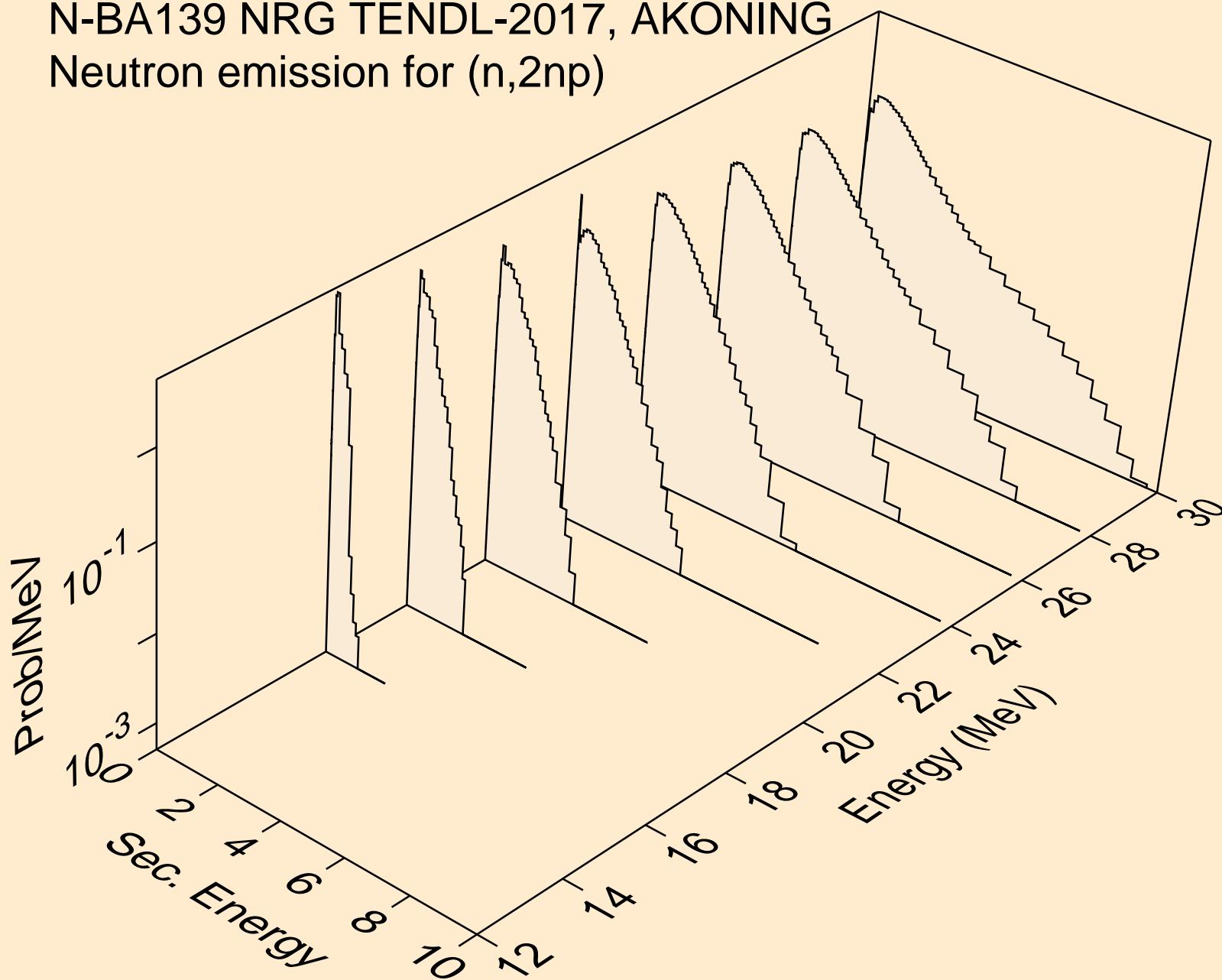
N-BA139 NRG TENDL-2017, AKONING
Neutron emission for $(n,n^*)\text{he3}$



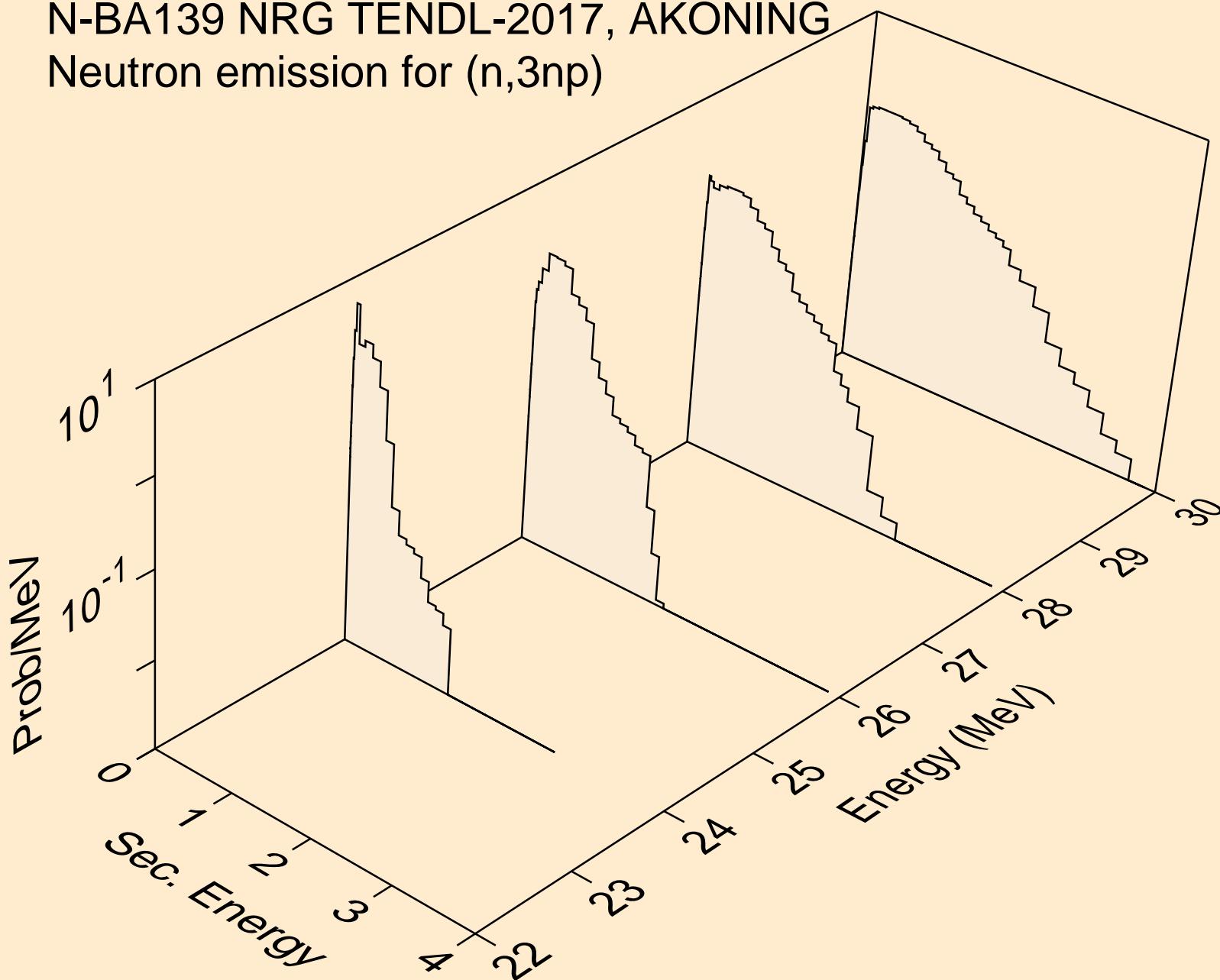
N-BA139 NRG TENDL-2017, AKONING
Neutron emission for (n,4n)



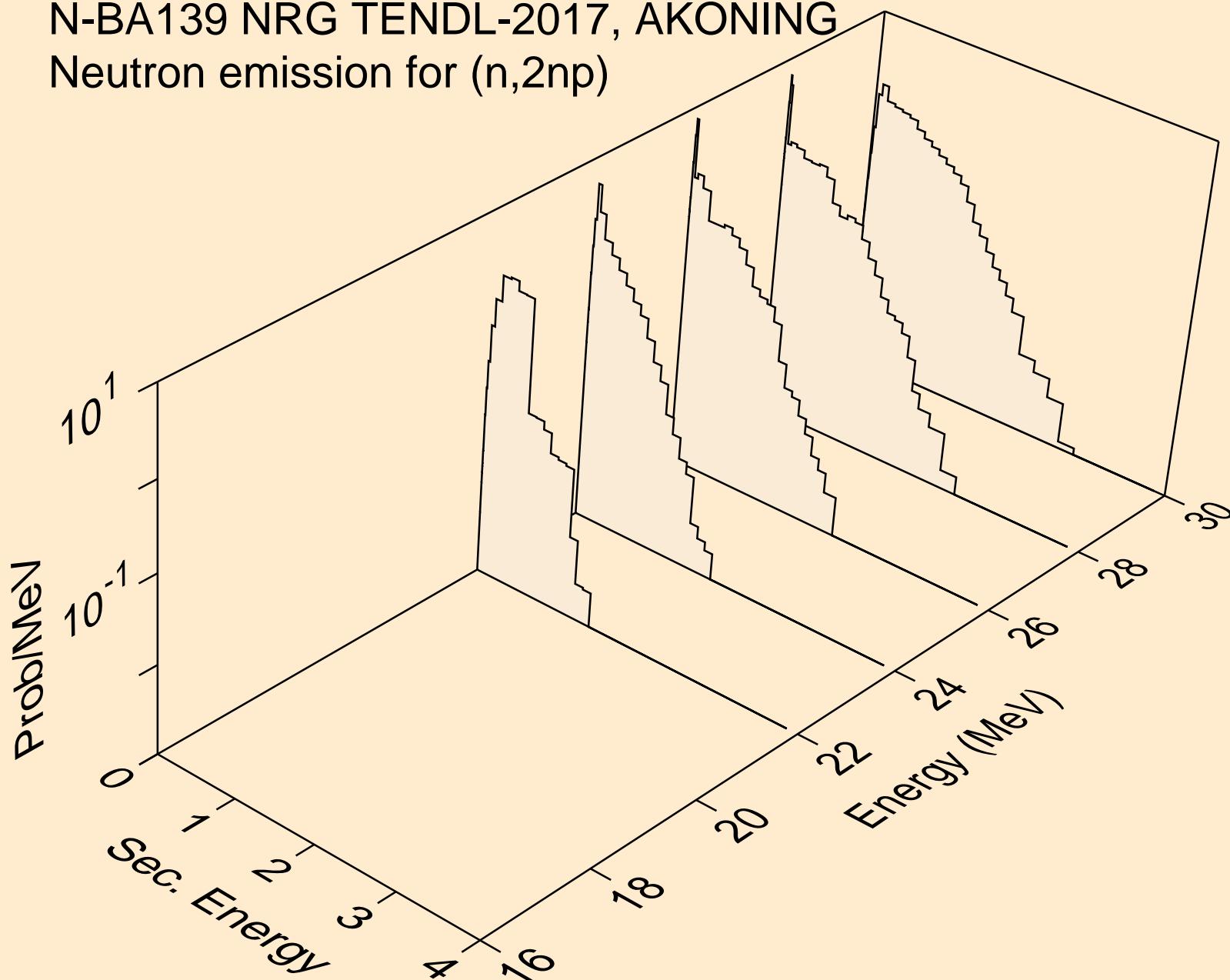
N-BA139 NRG TENDL-2017, AKONING
Neutron emission for (n,2np)



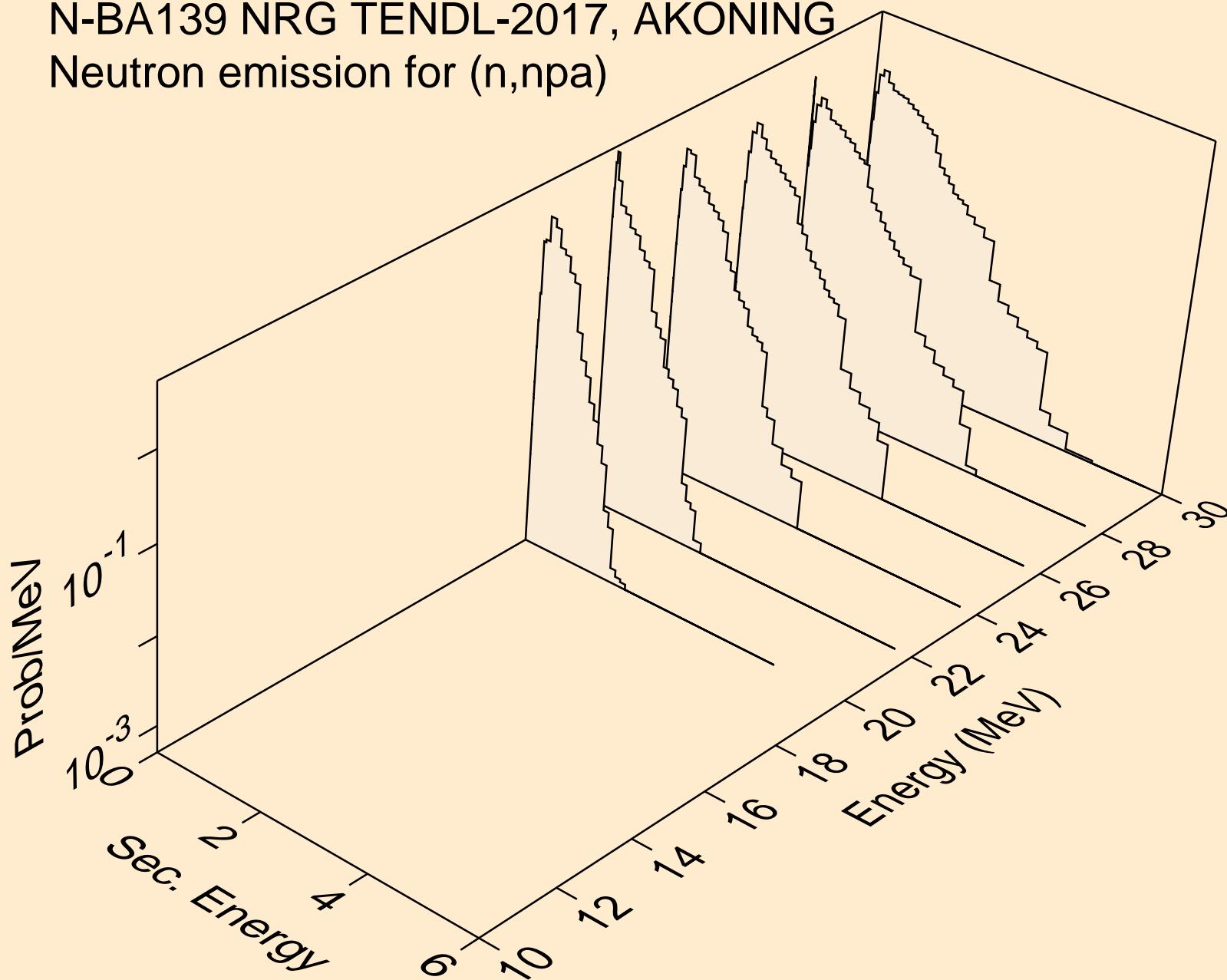
N-BA139 NRG TENDL-2017, AKONING
Neutron emission for (n,3np)



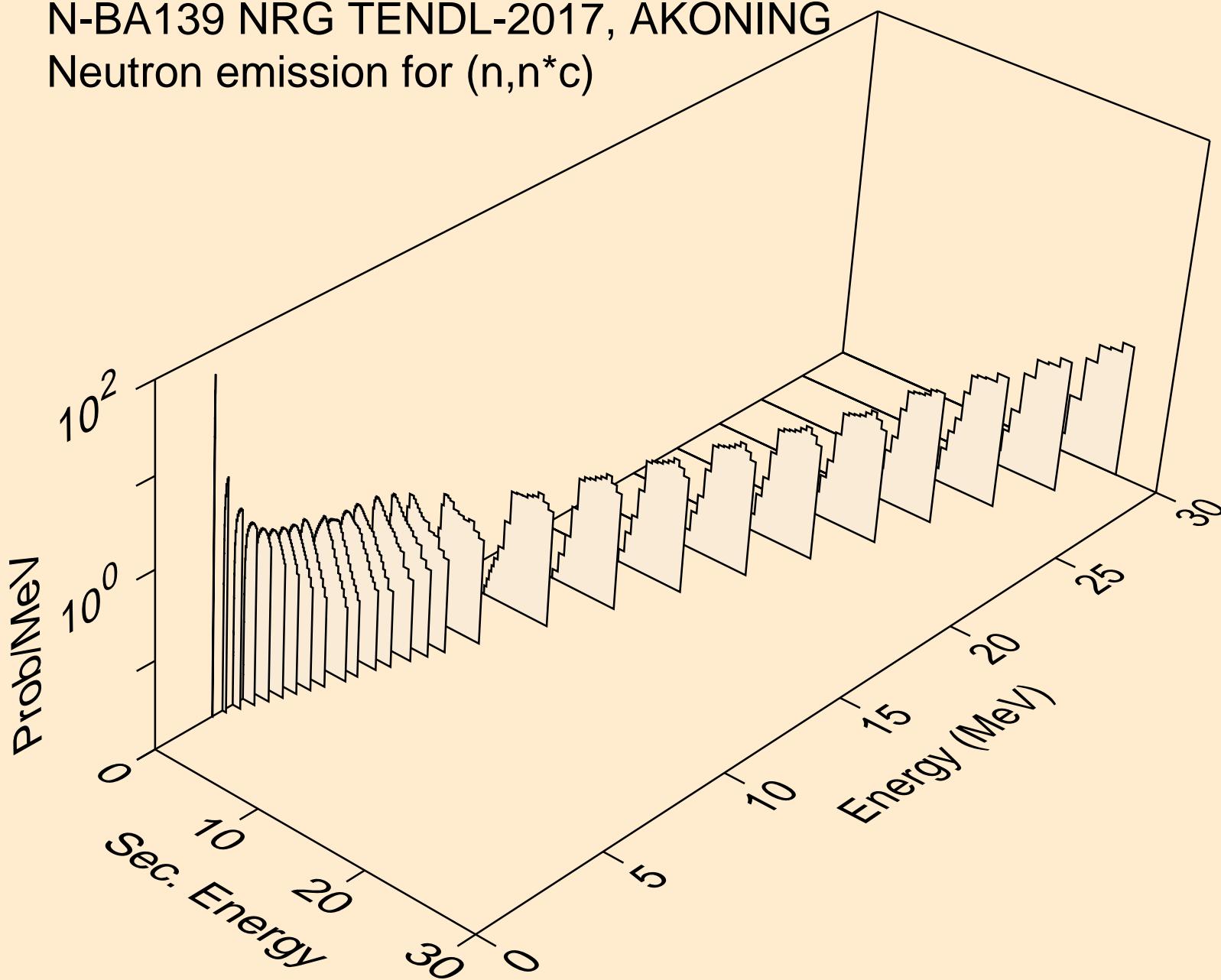
N-BA139 NRG TENDL-2017, AKONING
Neutron emission for (n,2np)



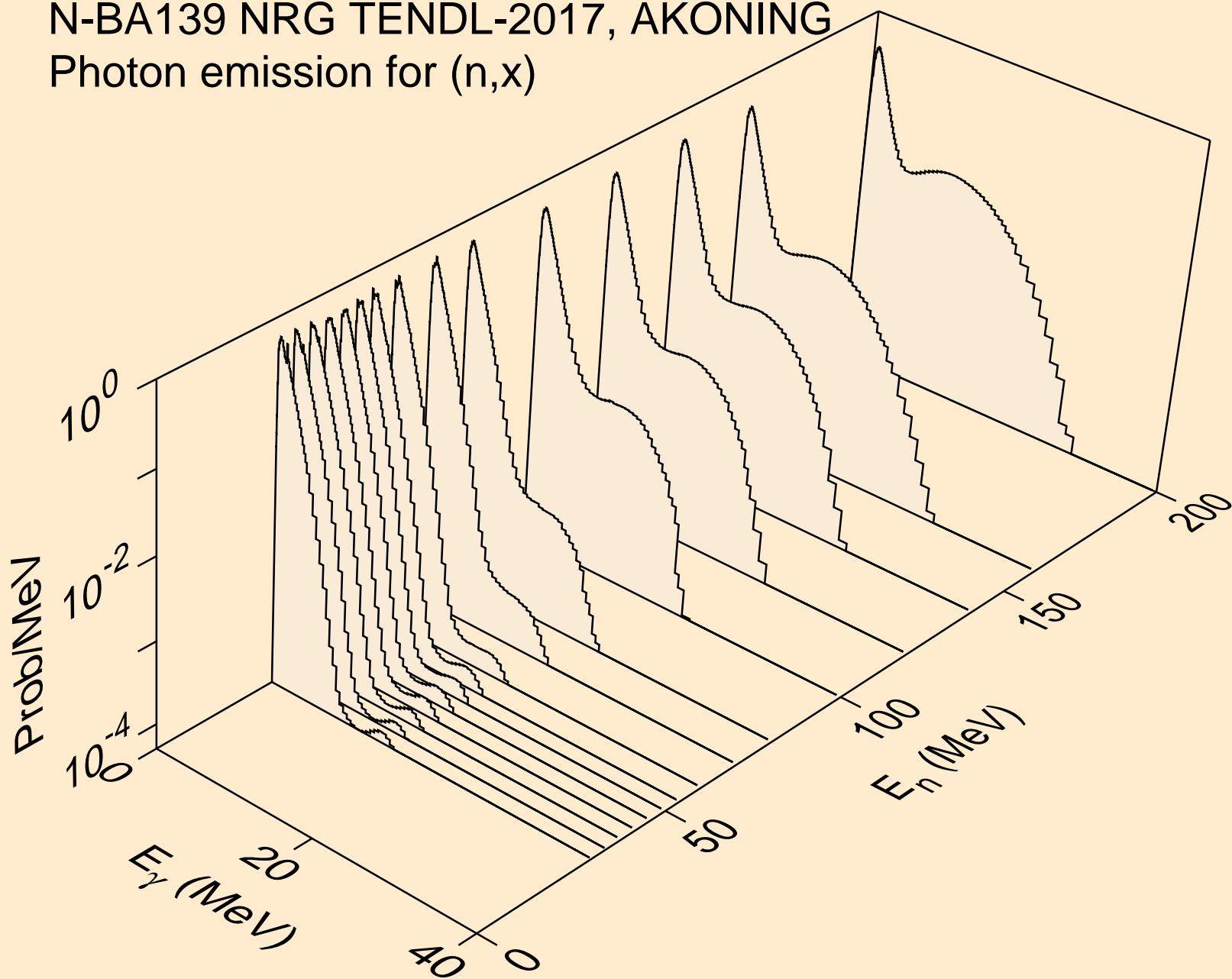
N-BA139 NRG TENDL-2017, AKONING
Neutron emission for (n,npa)



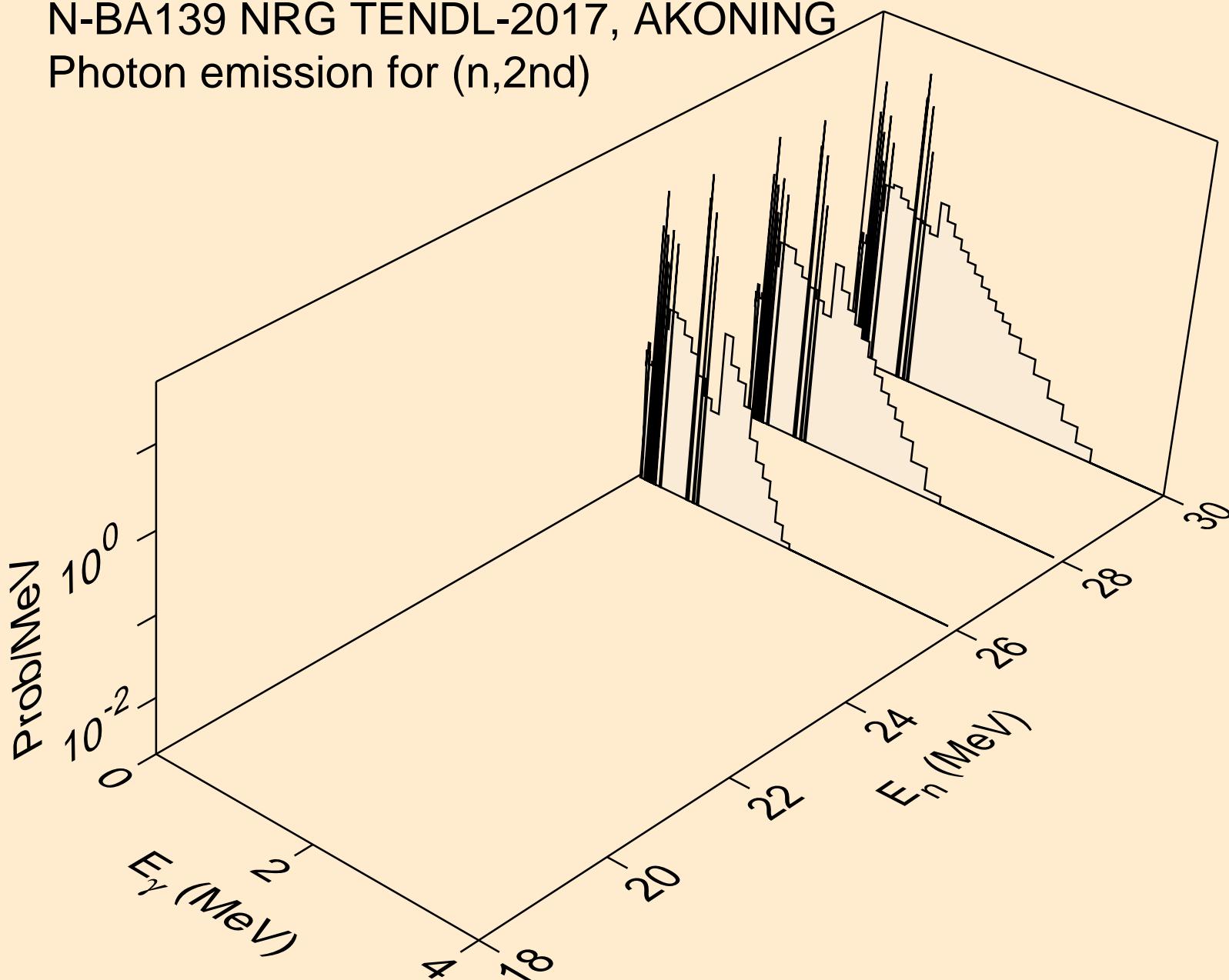
N-BA139 NRG TENDL-2017, AKONING
Neutron emission for (n,n*c)



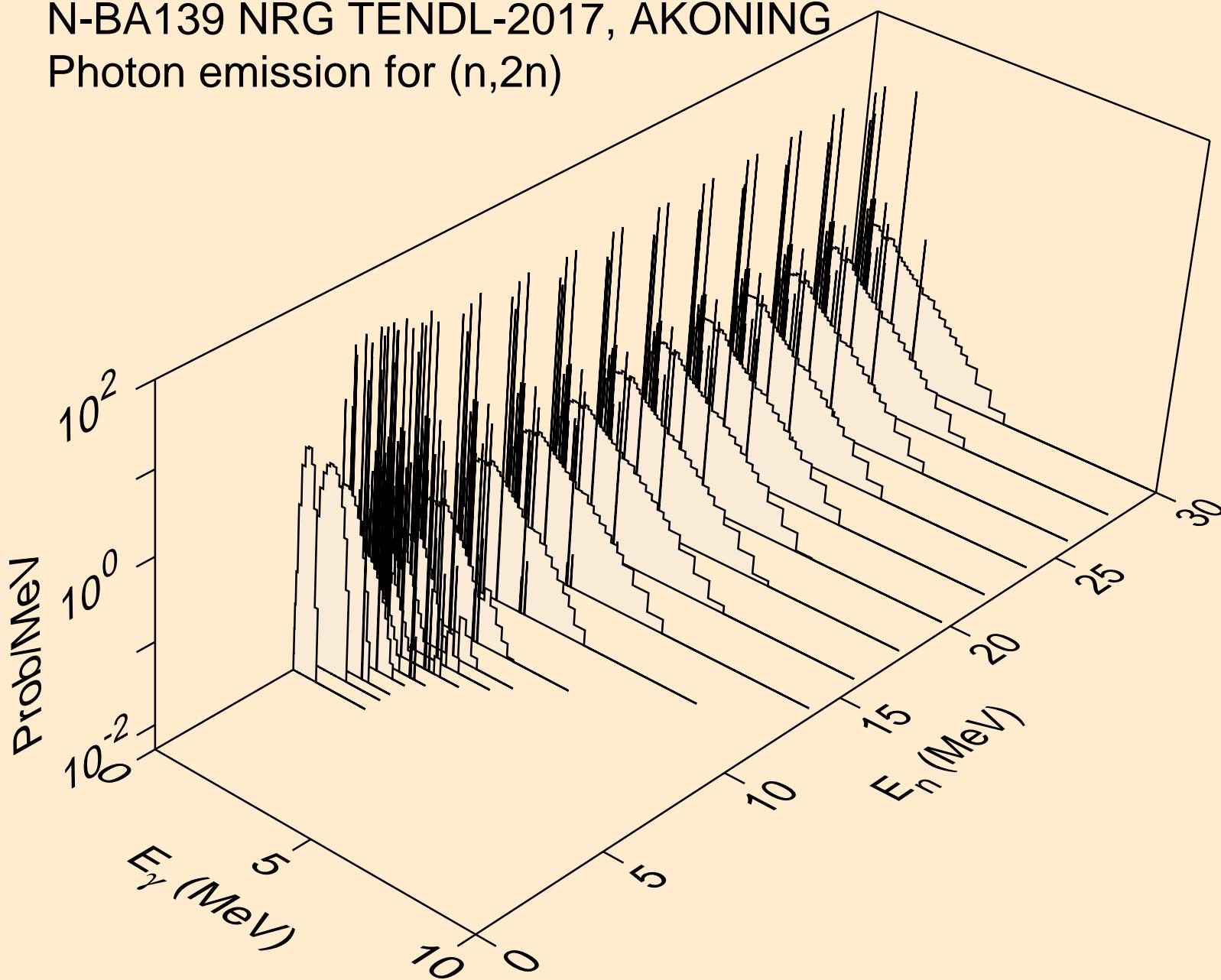
N-BA139 NRG TENDL-2017, AKONING
Photon emission for (n,x)



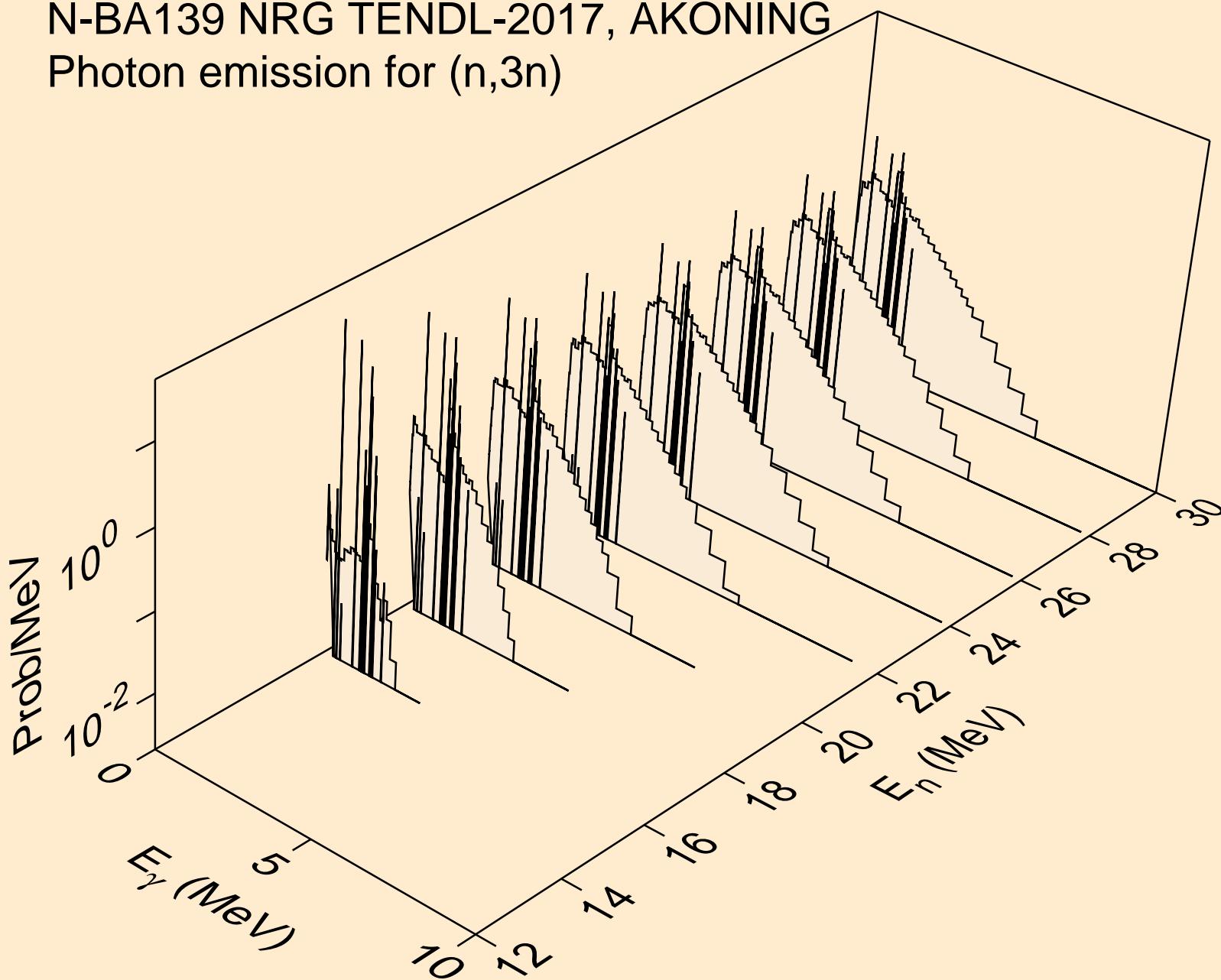
N-BA139 NRG TENDL-2017, AKONING
Photon emission for (n,2nd)



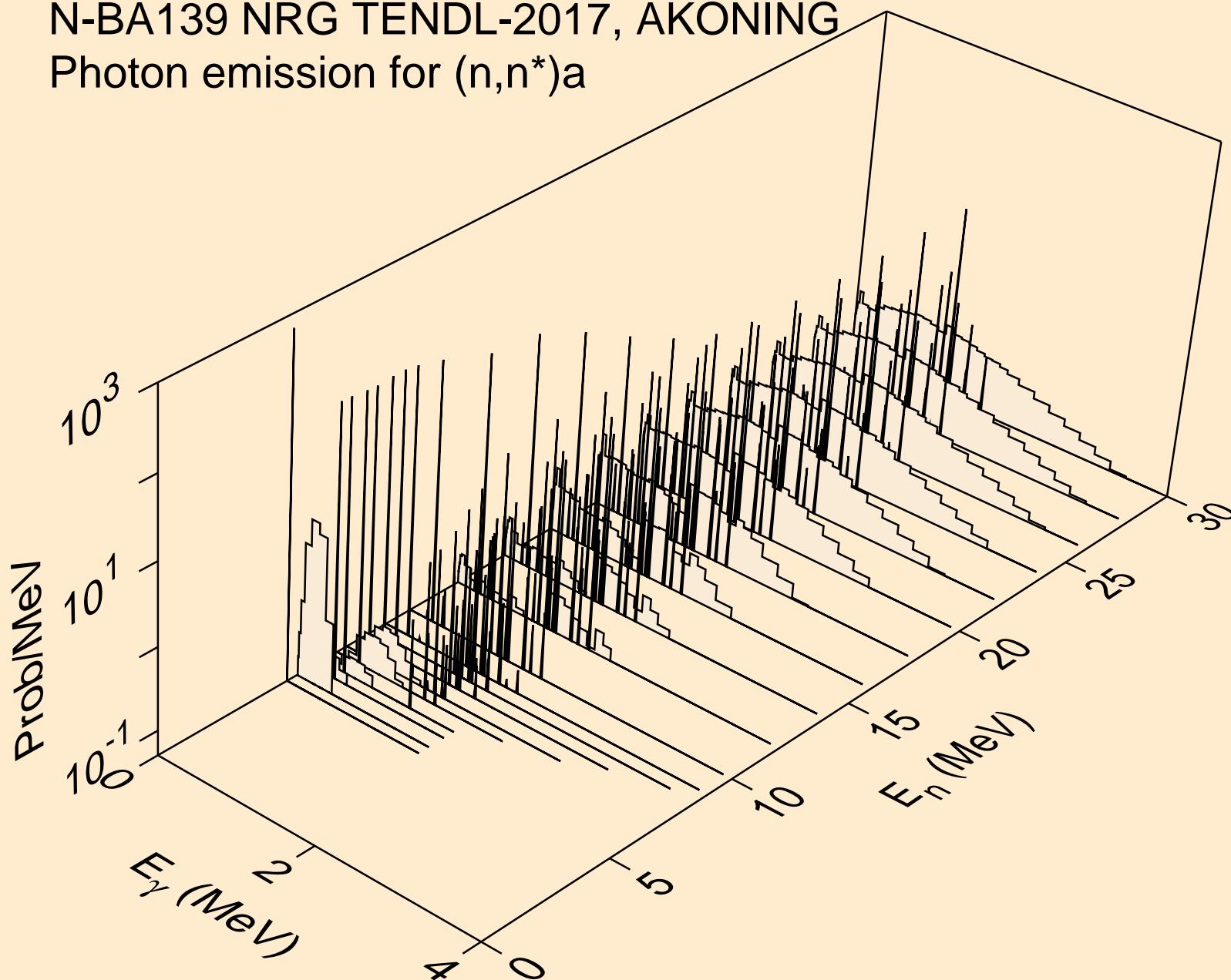
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Photon emission for (n,2n)



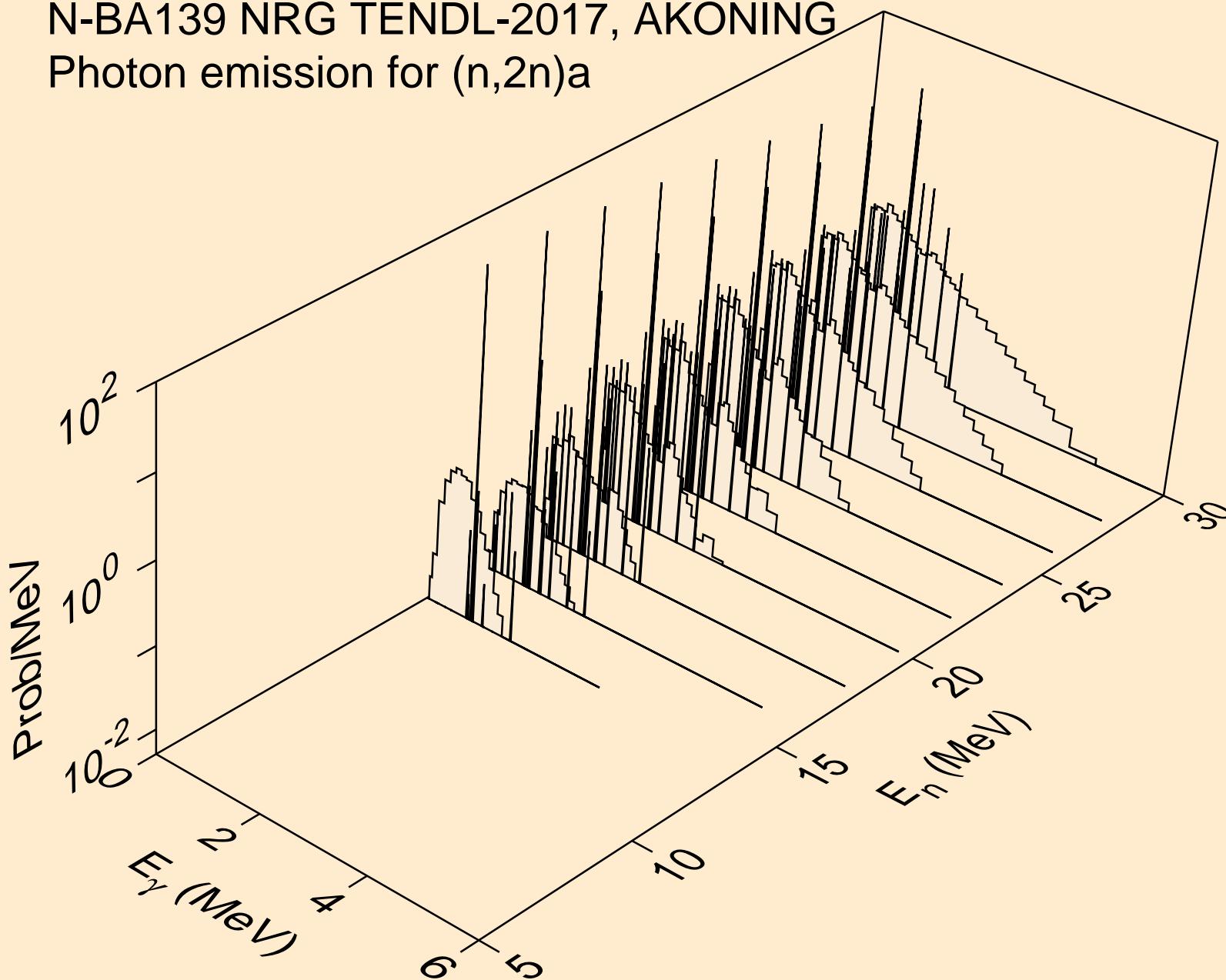
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Photon emission for (n,3n)



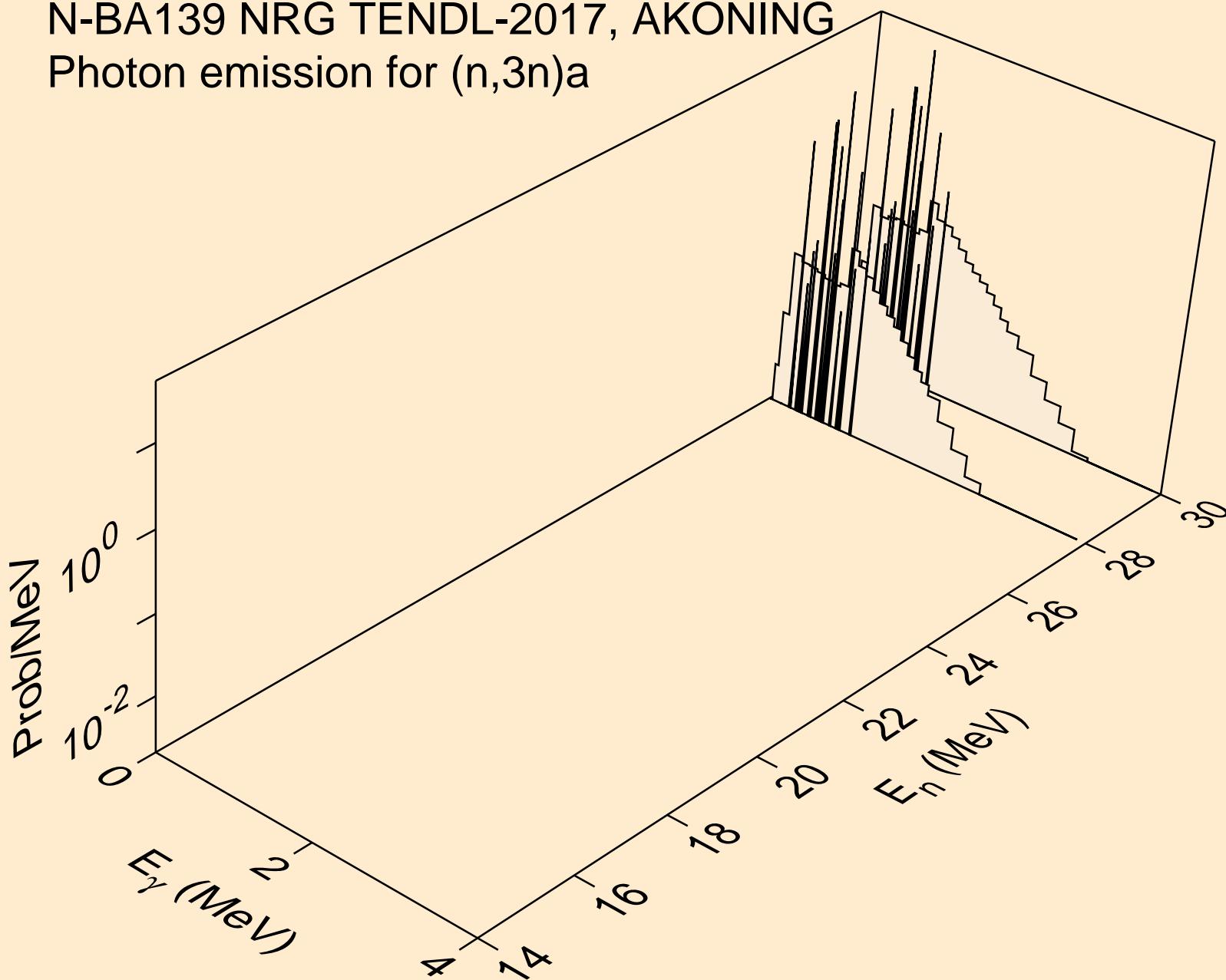
N-BA139 NRG TENDL-2017, AKONING
Photon emission for $(n,n^*)a$



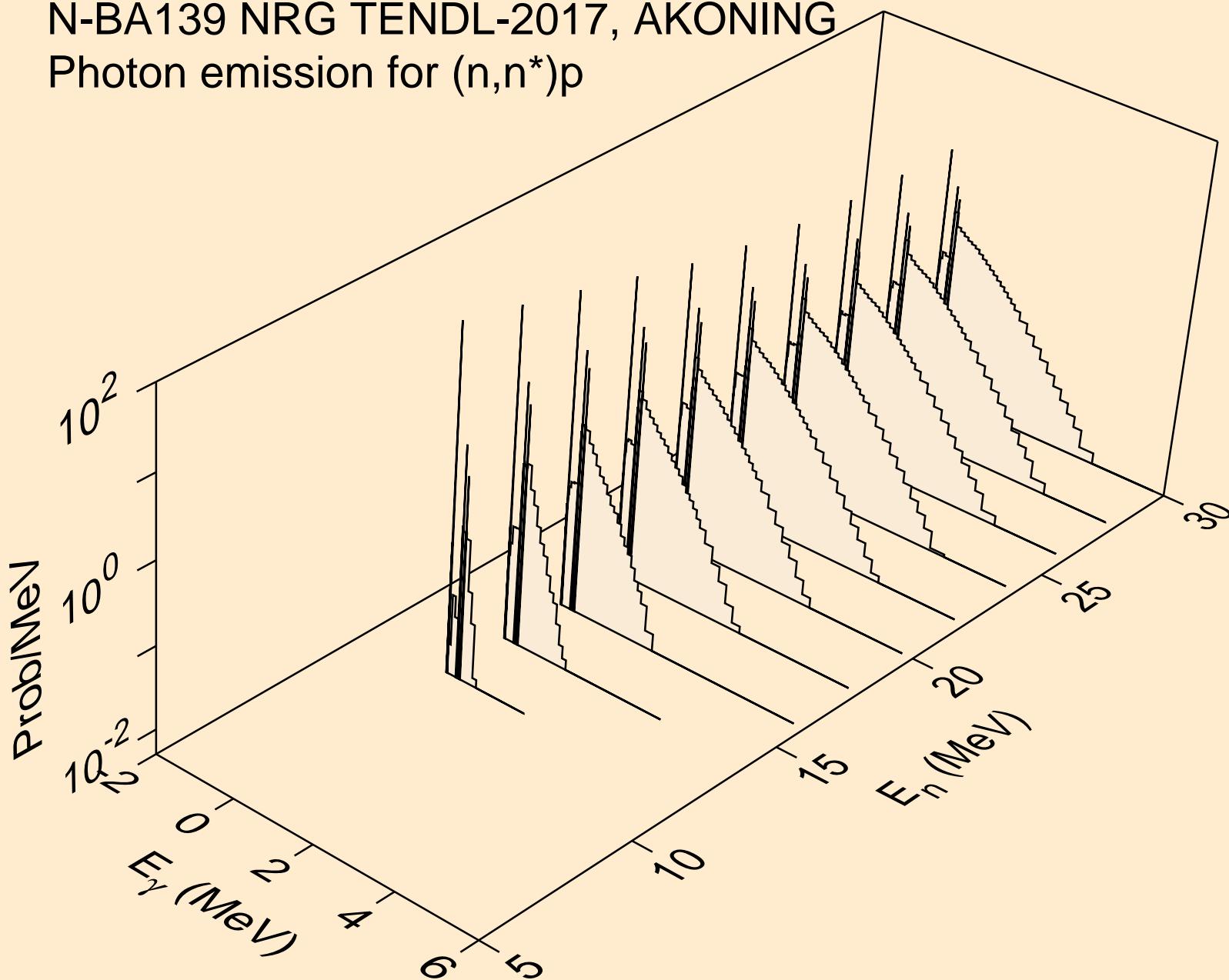
N-BA139 NRG TENDL-2017, AKONING
Photon emission for (n,2n)a



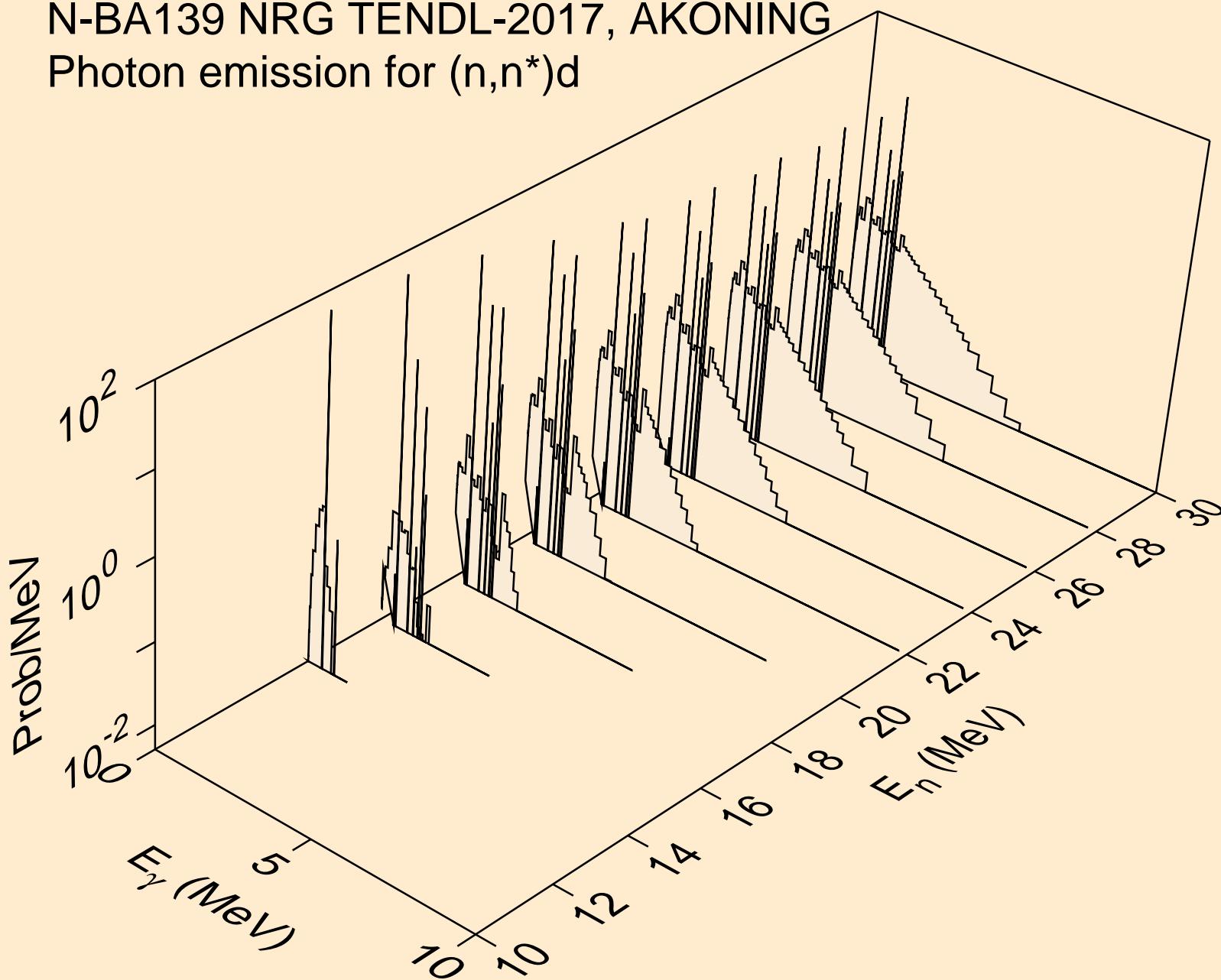
N-BA139 NRG TENDL-2017, AKONING
Photon emission for (n,3n)a



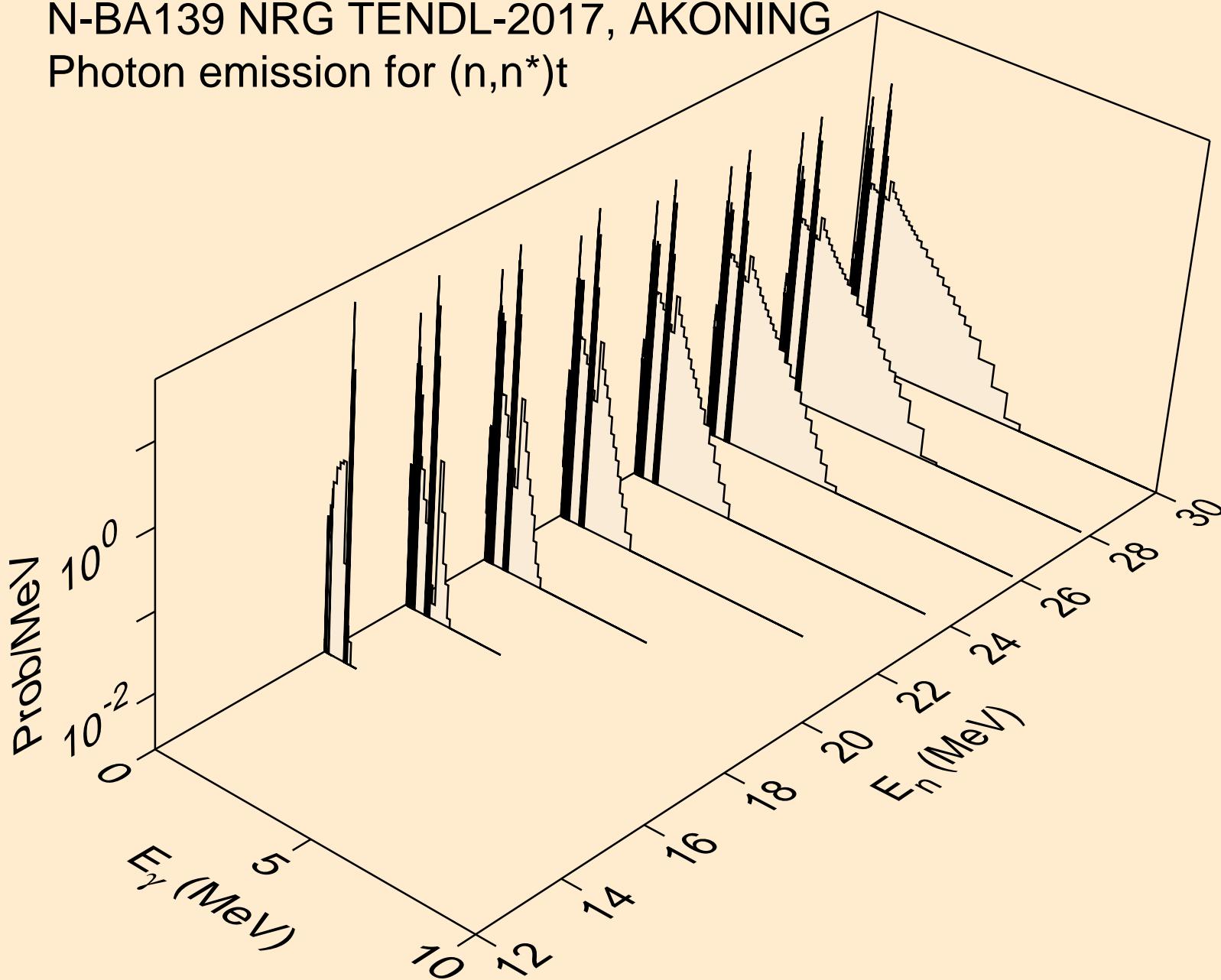
N-BA139 NRG TENDL-2017, AKONING
Photon emission for $(n,n^*)p$



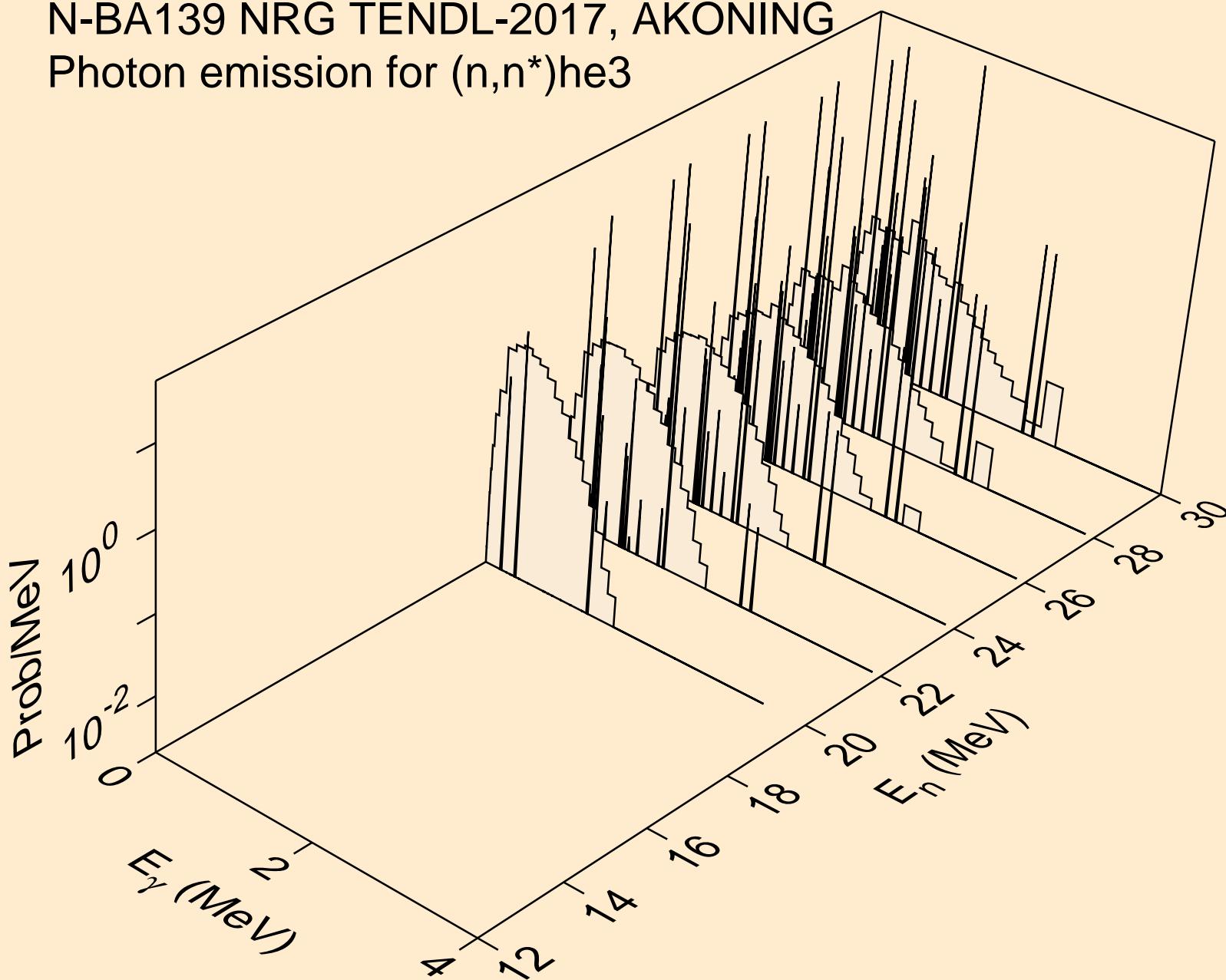
N-BA139 NRG TENDL-2017, AKONING
Photon emission for $(n,n^*)d$



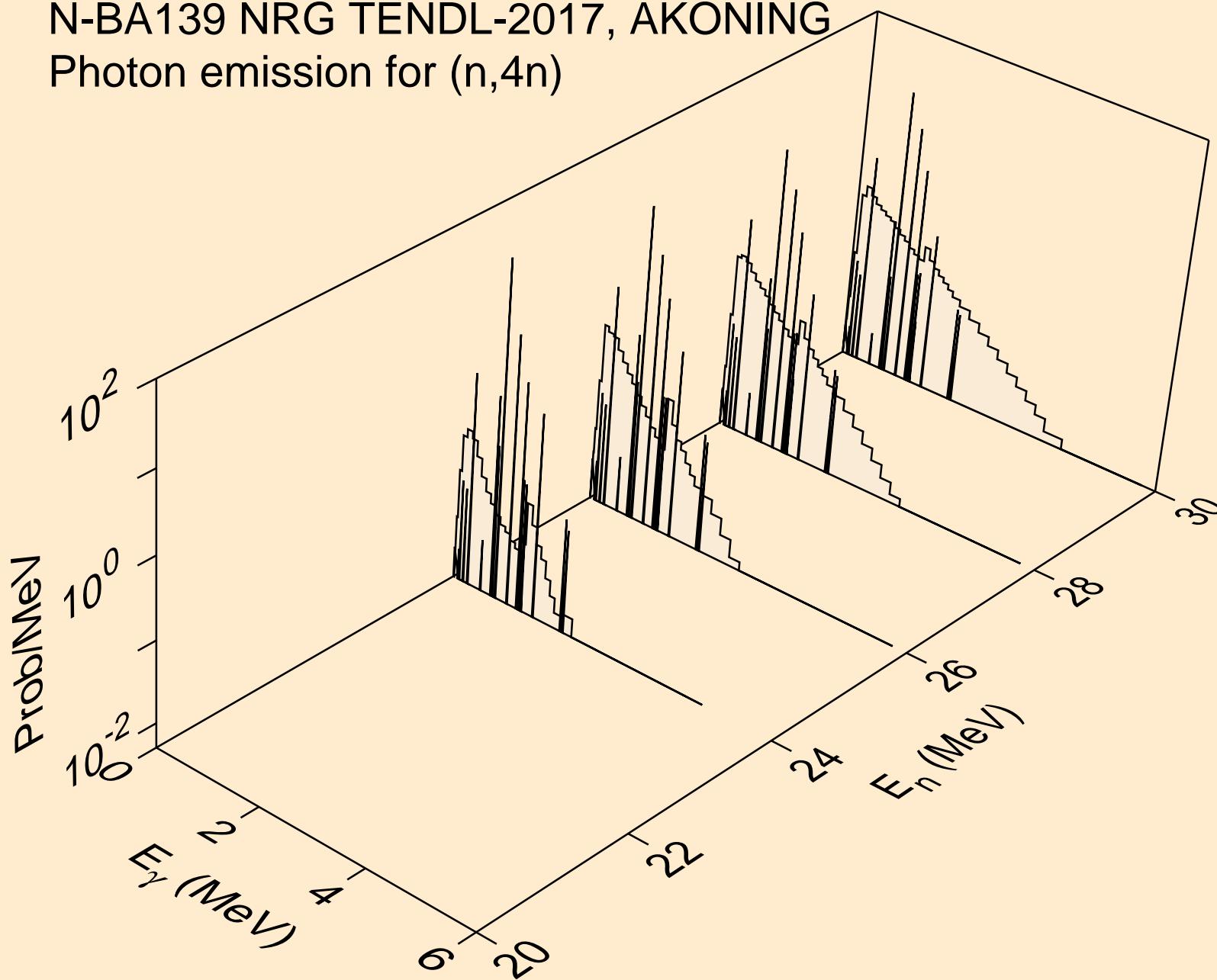
N-BA139 NRG TENDL-2017, AKONING
Photon emission for $(n,n^*)t$



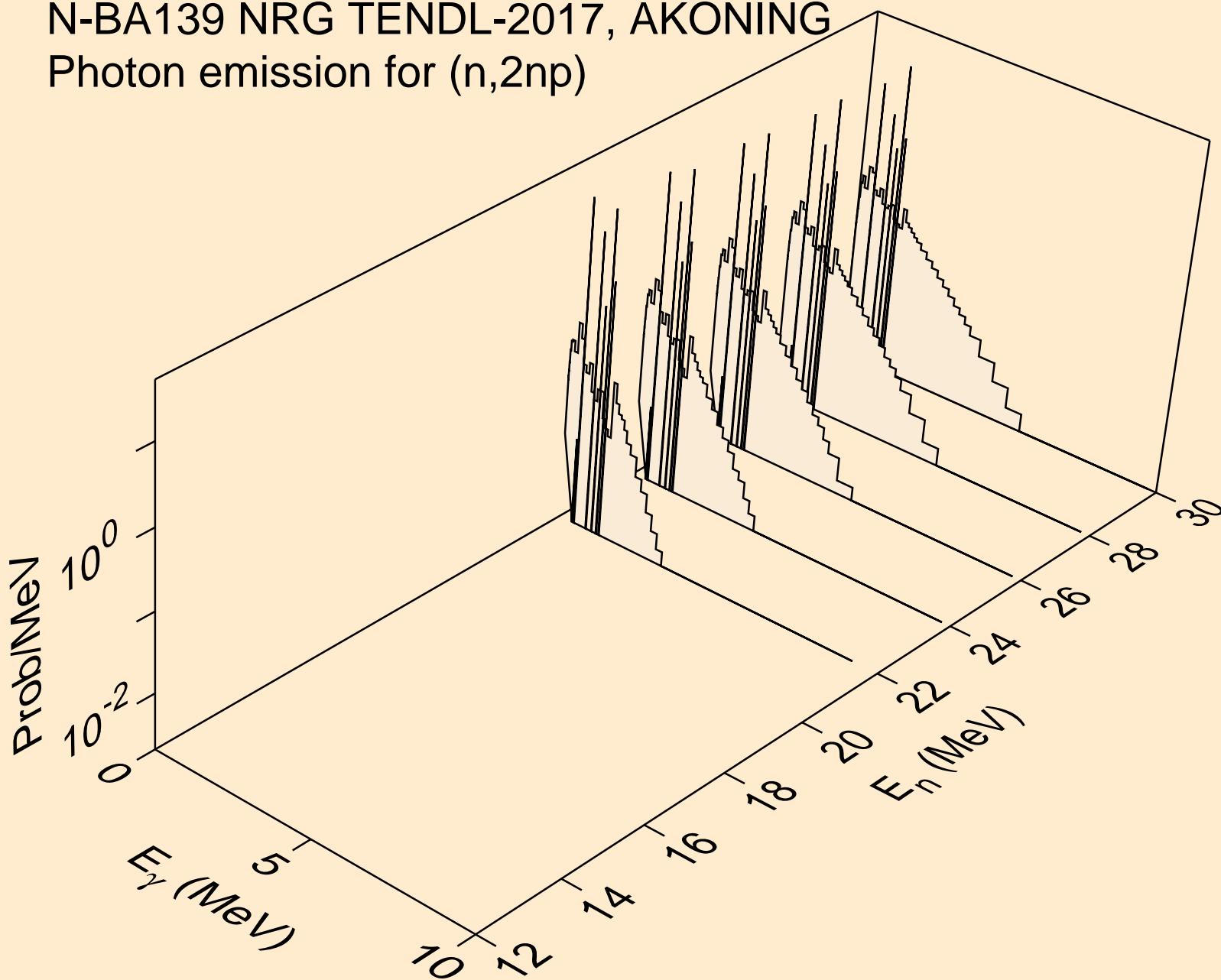
N-BA139 NRG TENDL-2017, AKONING
Photon emission for $(n,n^*)\text{he3}$



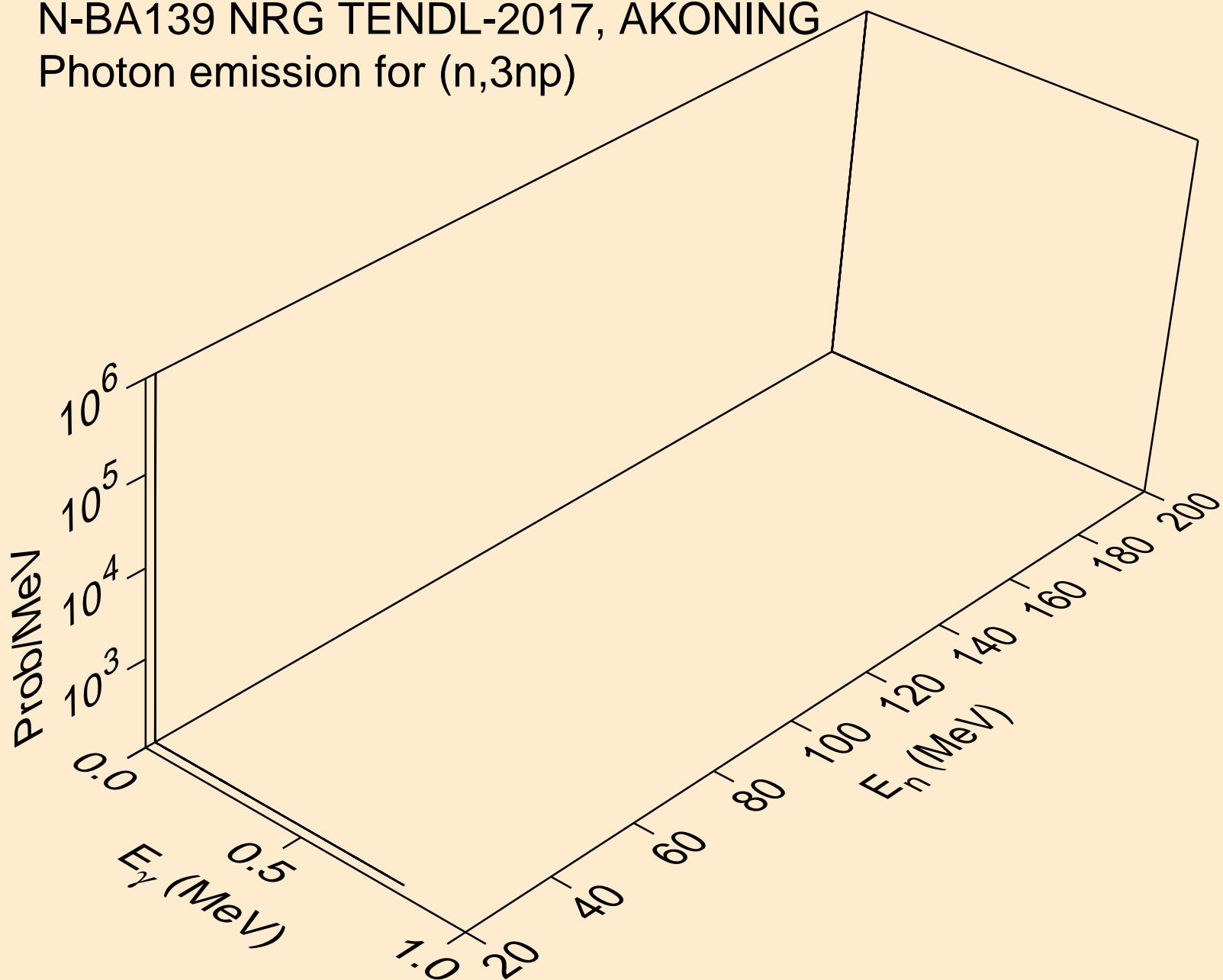
N-BA139 NRG TENDL-2017, AKONING
Photon emission for (n,4n)



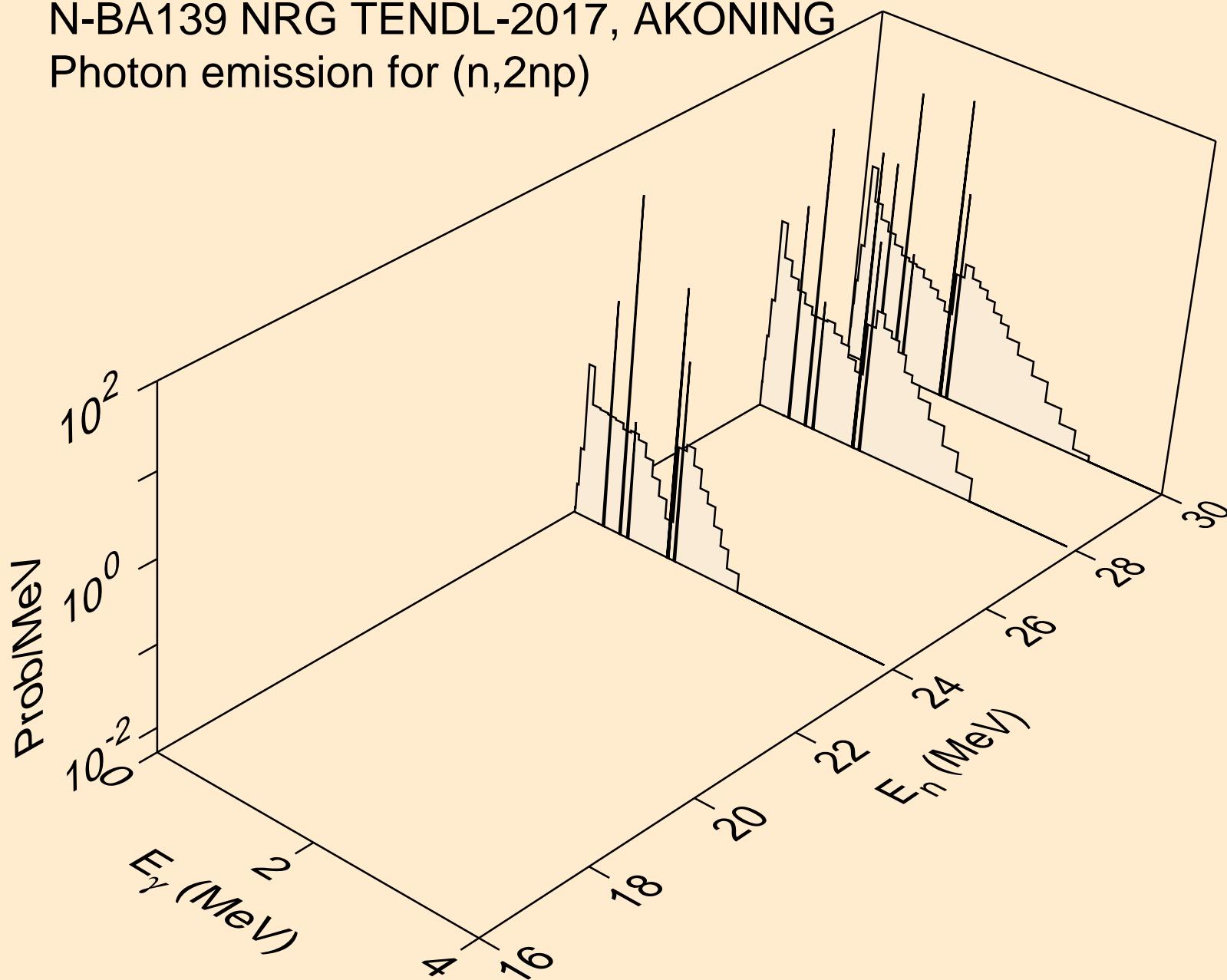
N-BA139 NRG TENDL-2017, AKONING
Photon emission for (n,2np)



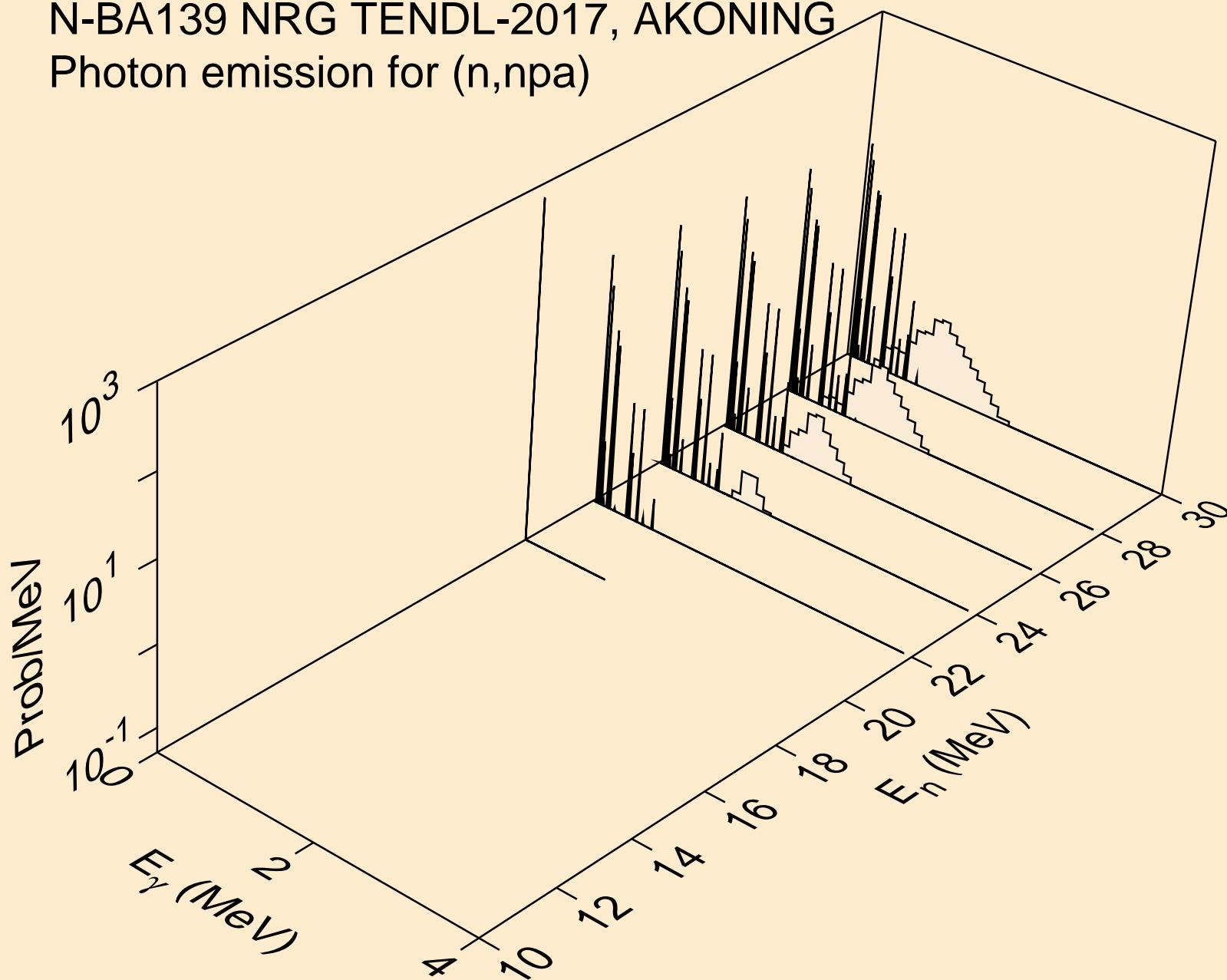
N-BA139 NRG TENDL-2017, AKONING
Photon emission for (n,3np)



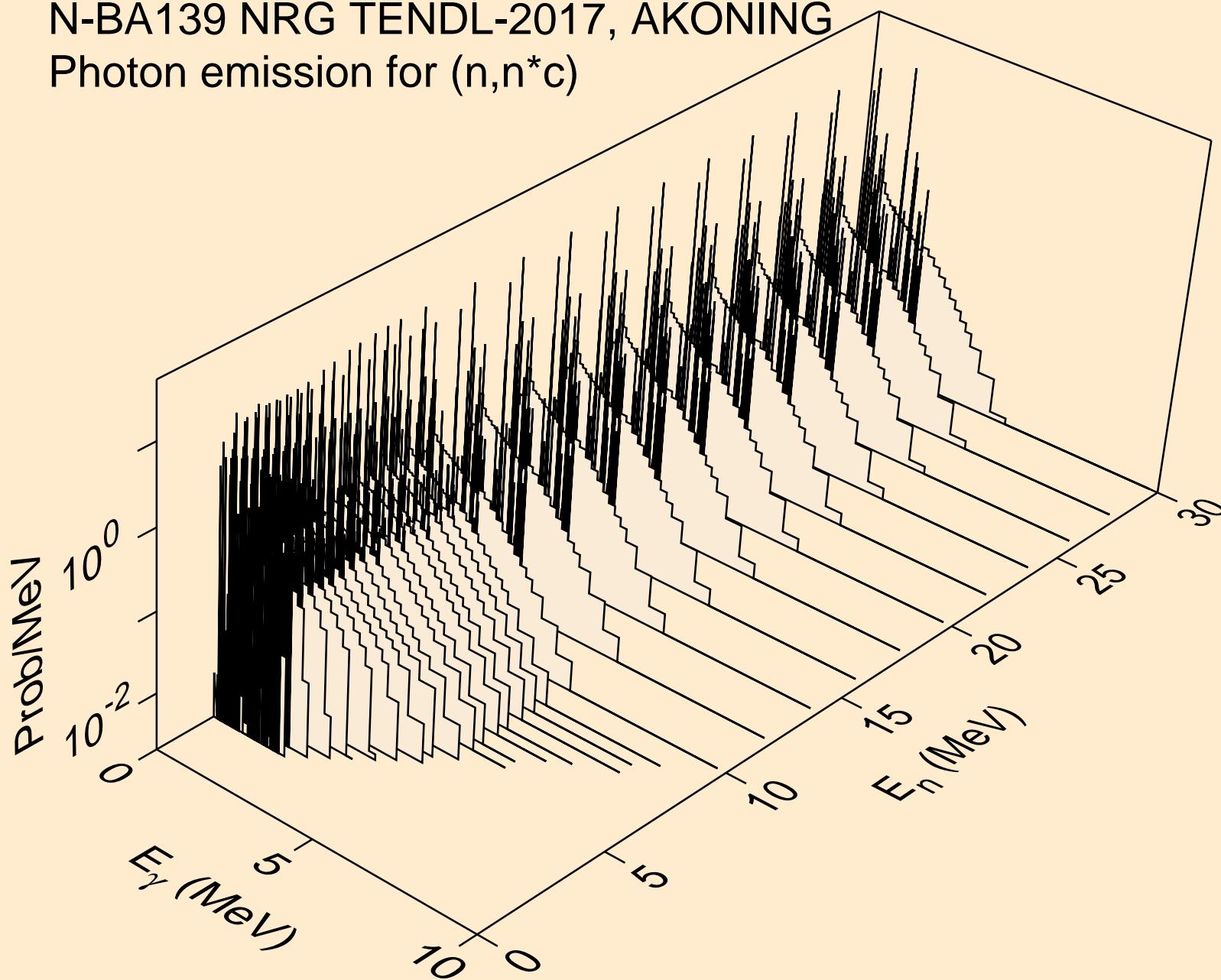
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Photon emission for (n,2np)



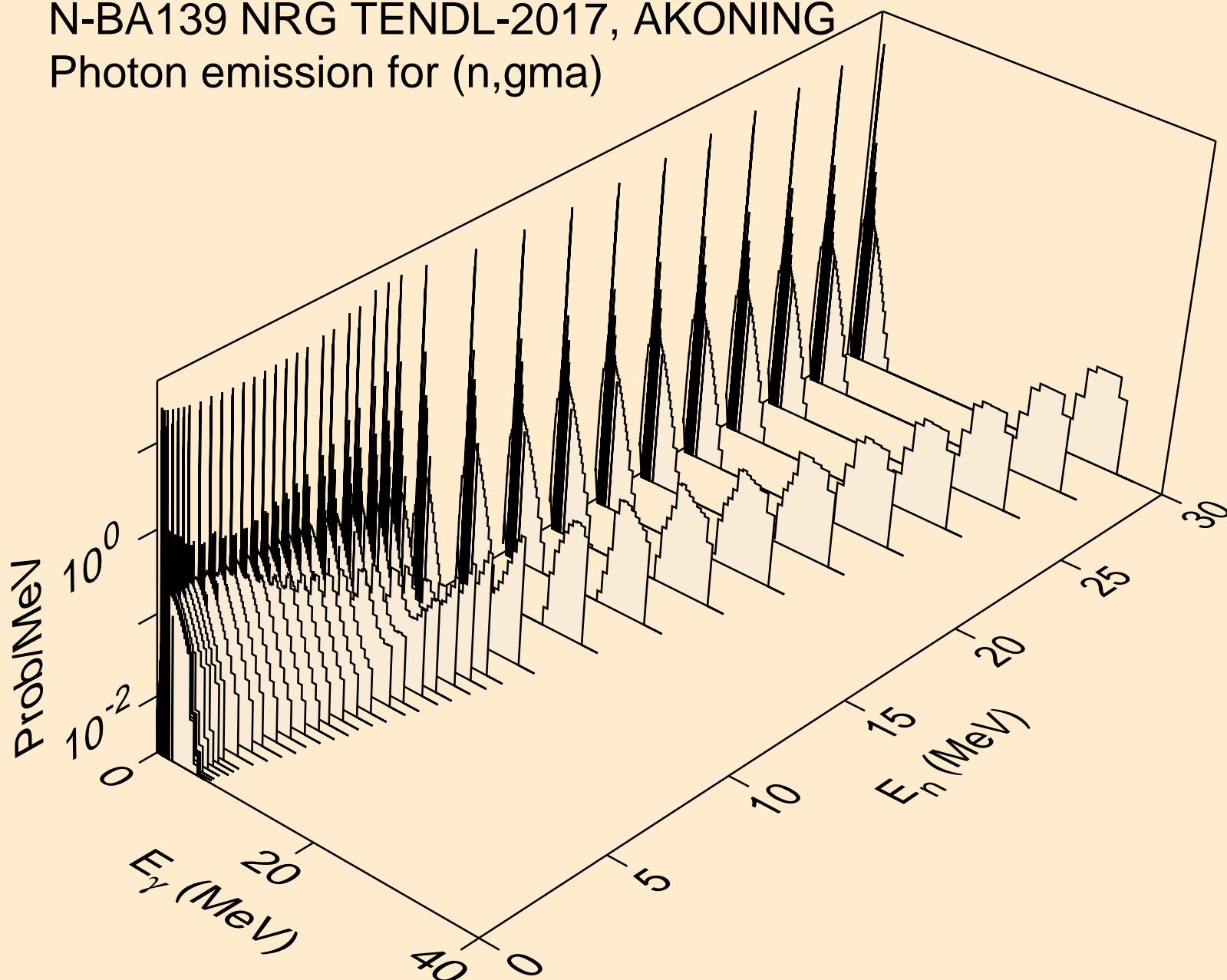
N-BA139 NRG TENDL-2017, AKONING
Photon emission for (n,npa)



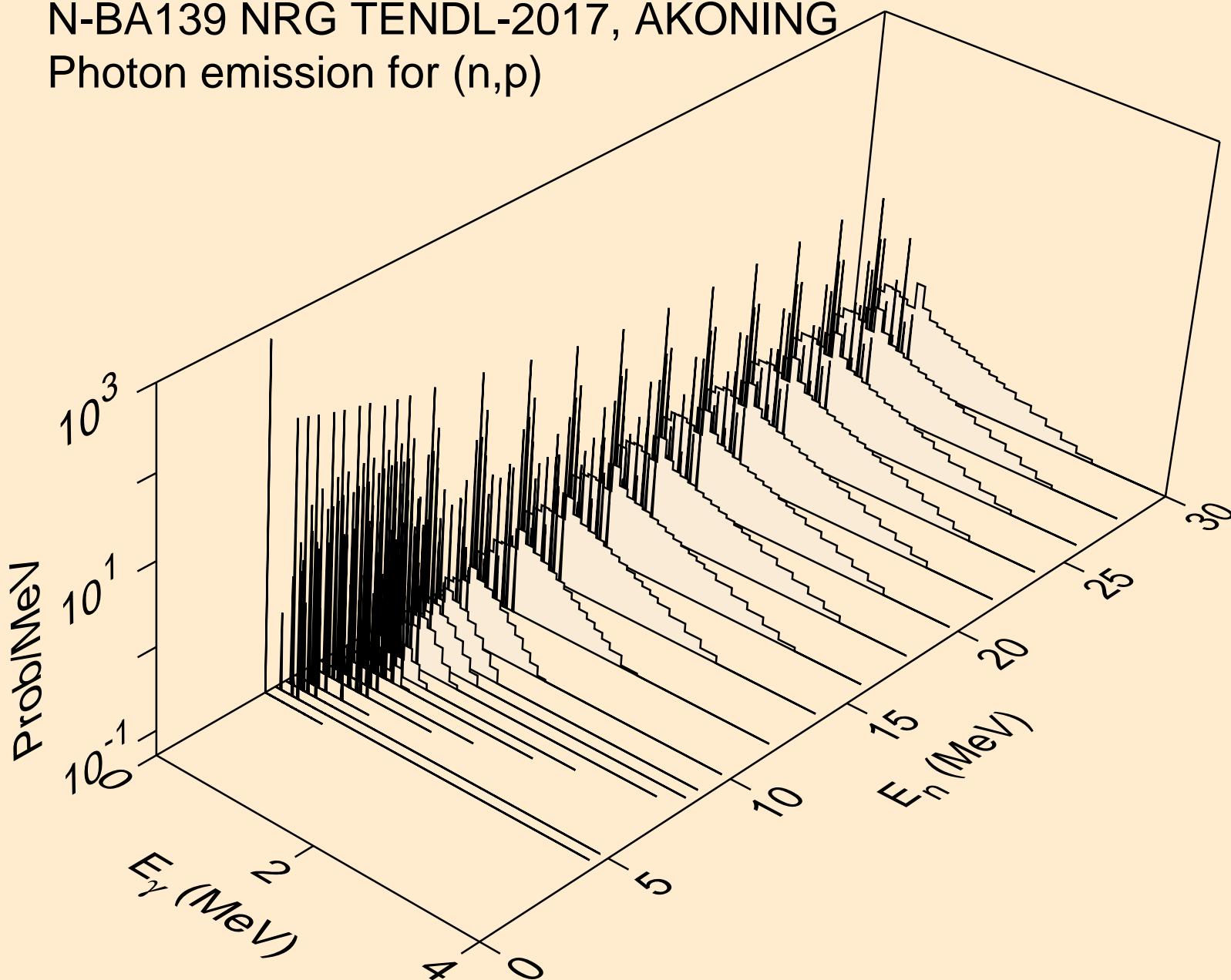
N-BA139 NRG TENDL-2017, AKONING
Photon emission for (n, n^*c)



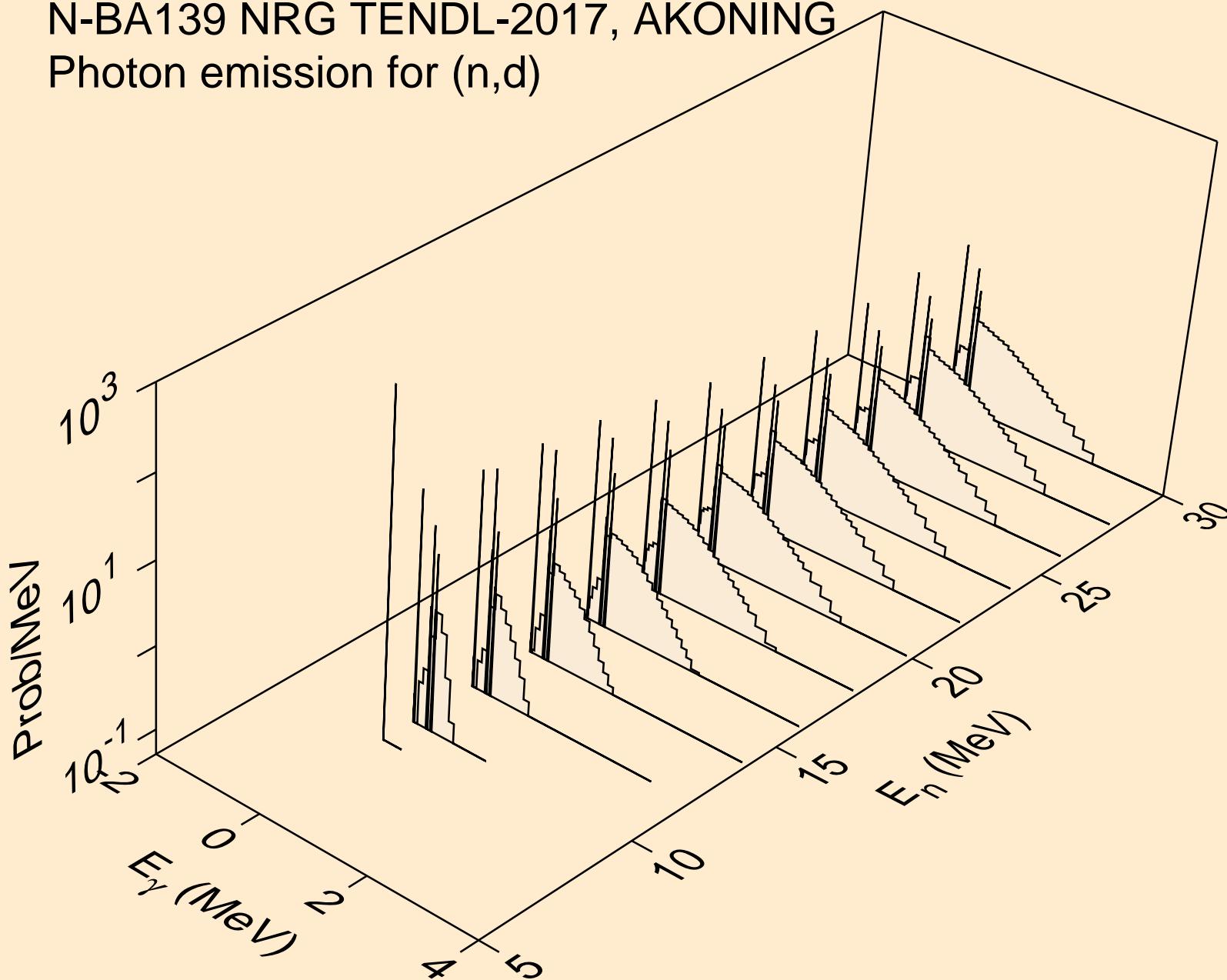
N-BA139 NRG TENDL-2017, AKONING
Photon emission for (n,gma)



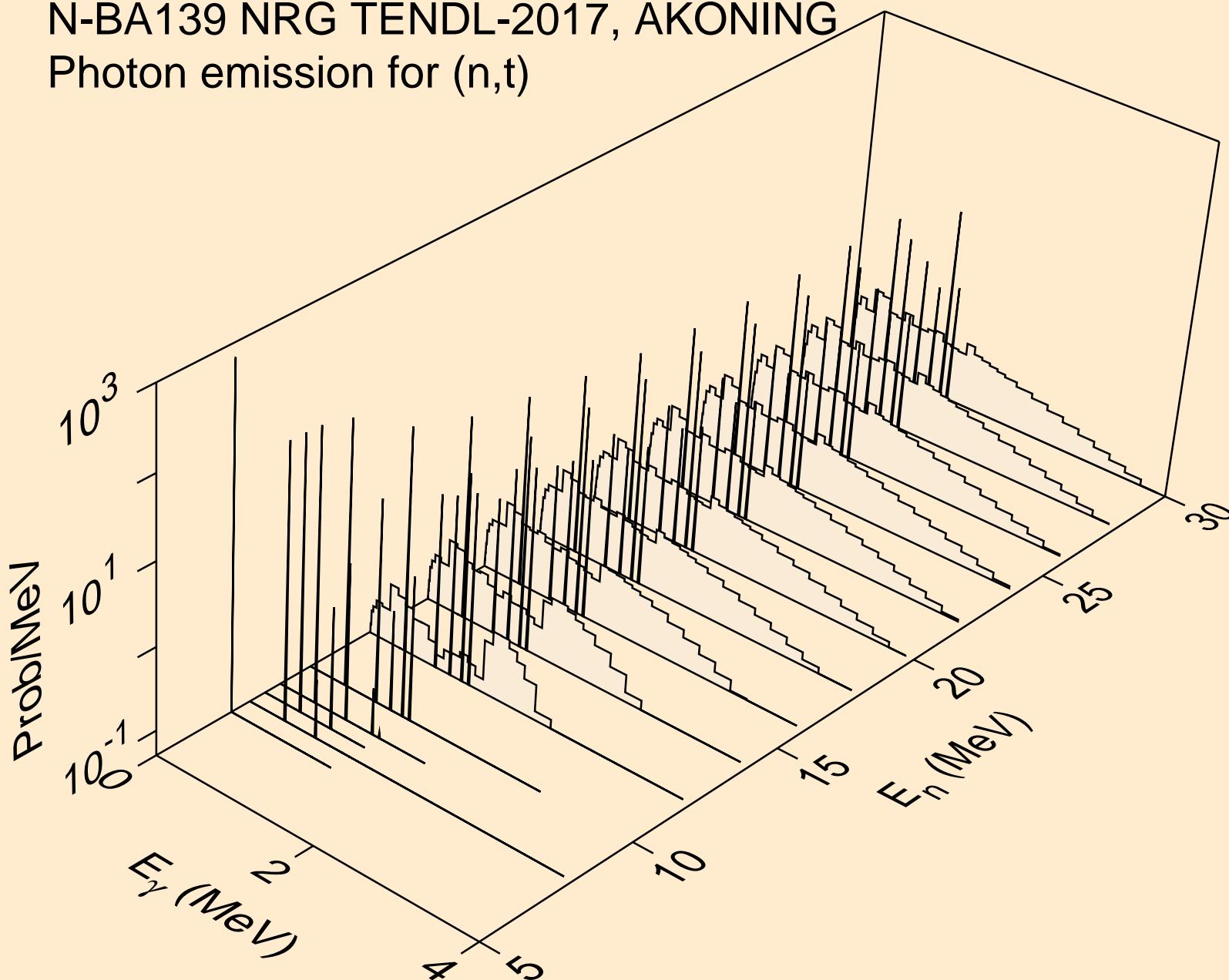
N-BA139 NRG TENDL-2017, AKONING
Photon emission for (n,p)



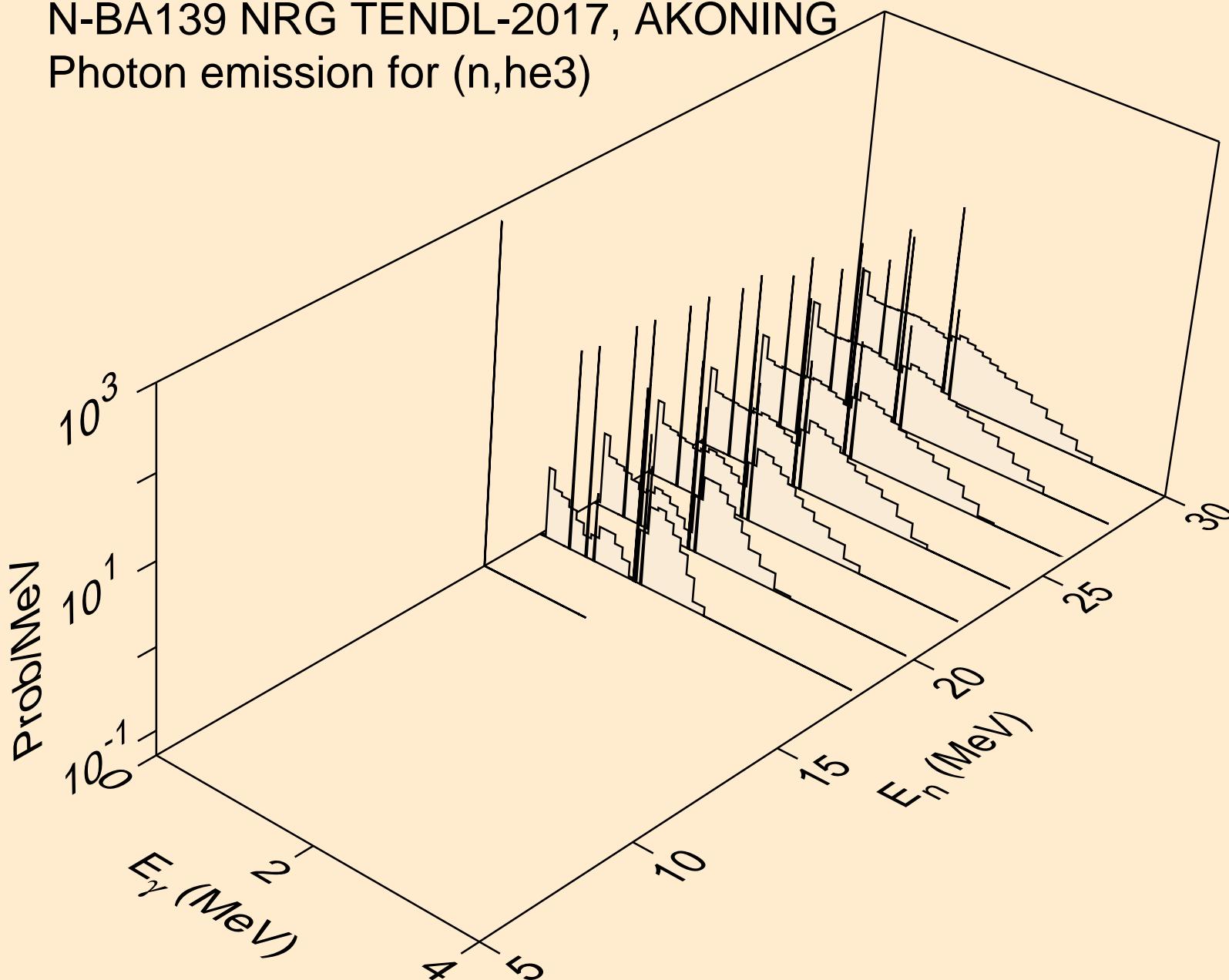
N-BA139 NRG TENDL-2017, AKONING
Photon emission for (n,d)



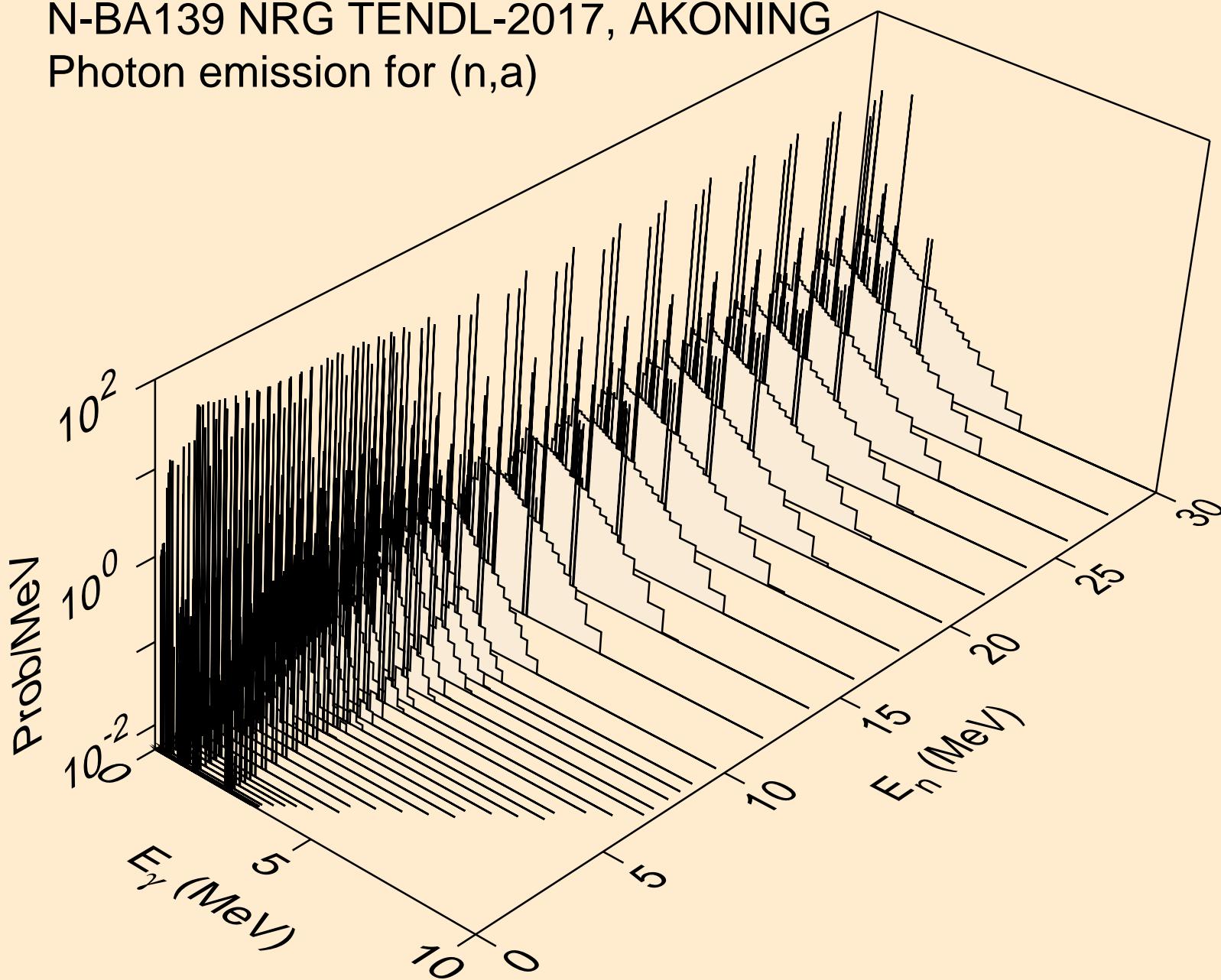
N-BA139 NRG TENDL-2017, AKONING
Photon emission for (n,t)



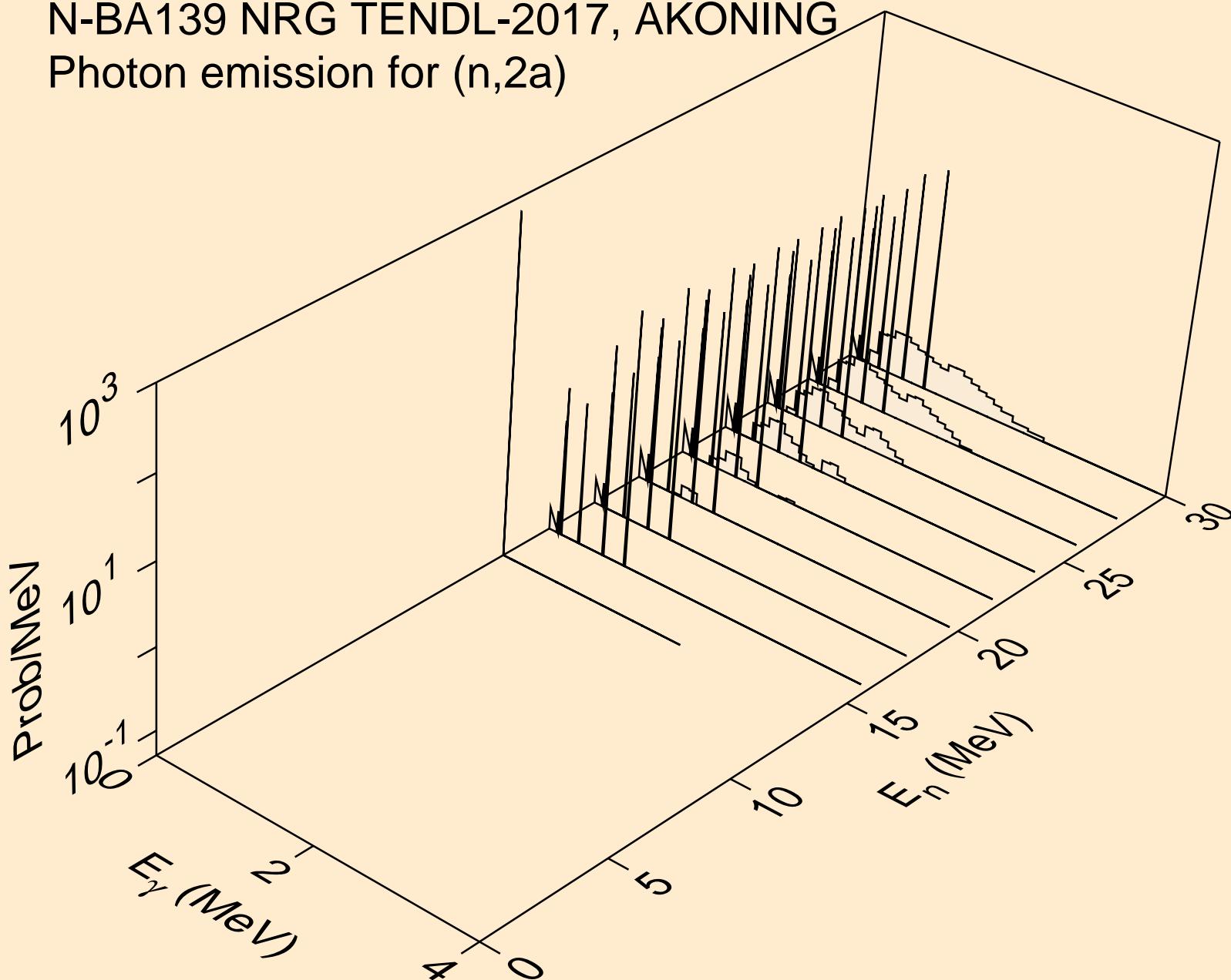
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Photon emission for (n,he3)



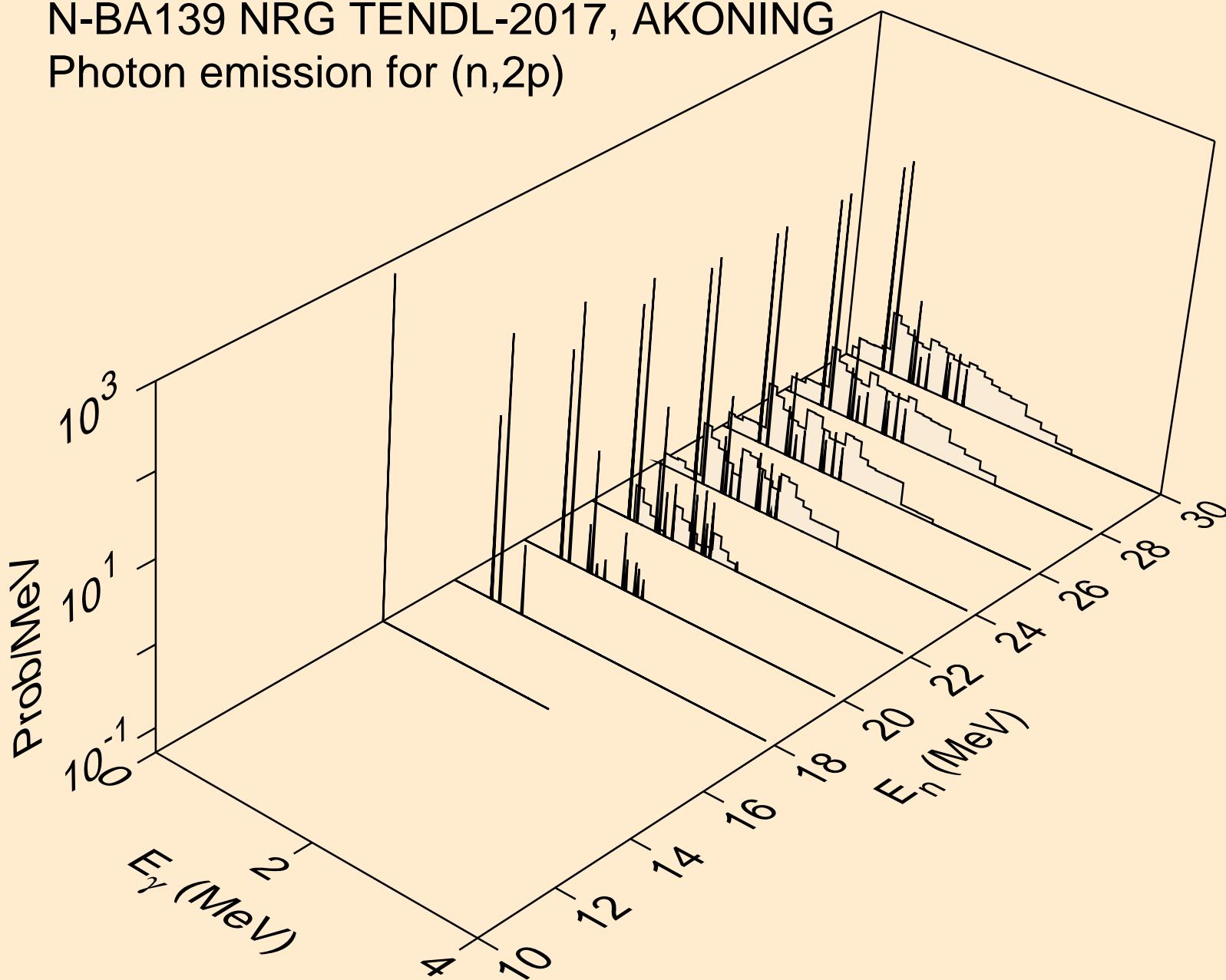
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Photon emission for (n,a)



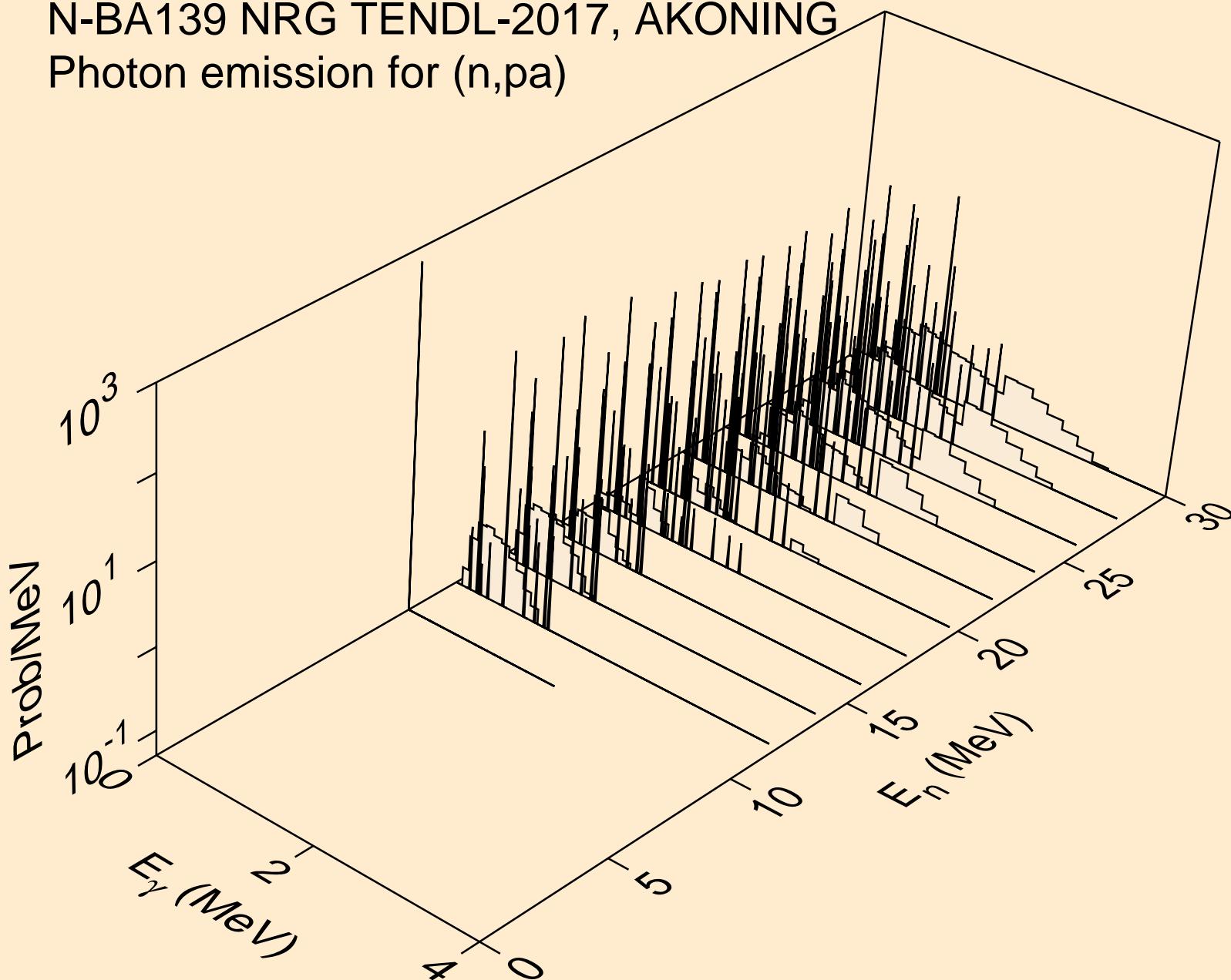
N-BA139 NRG TENDL-2017, AKONING
Photon emission for (n,2a)



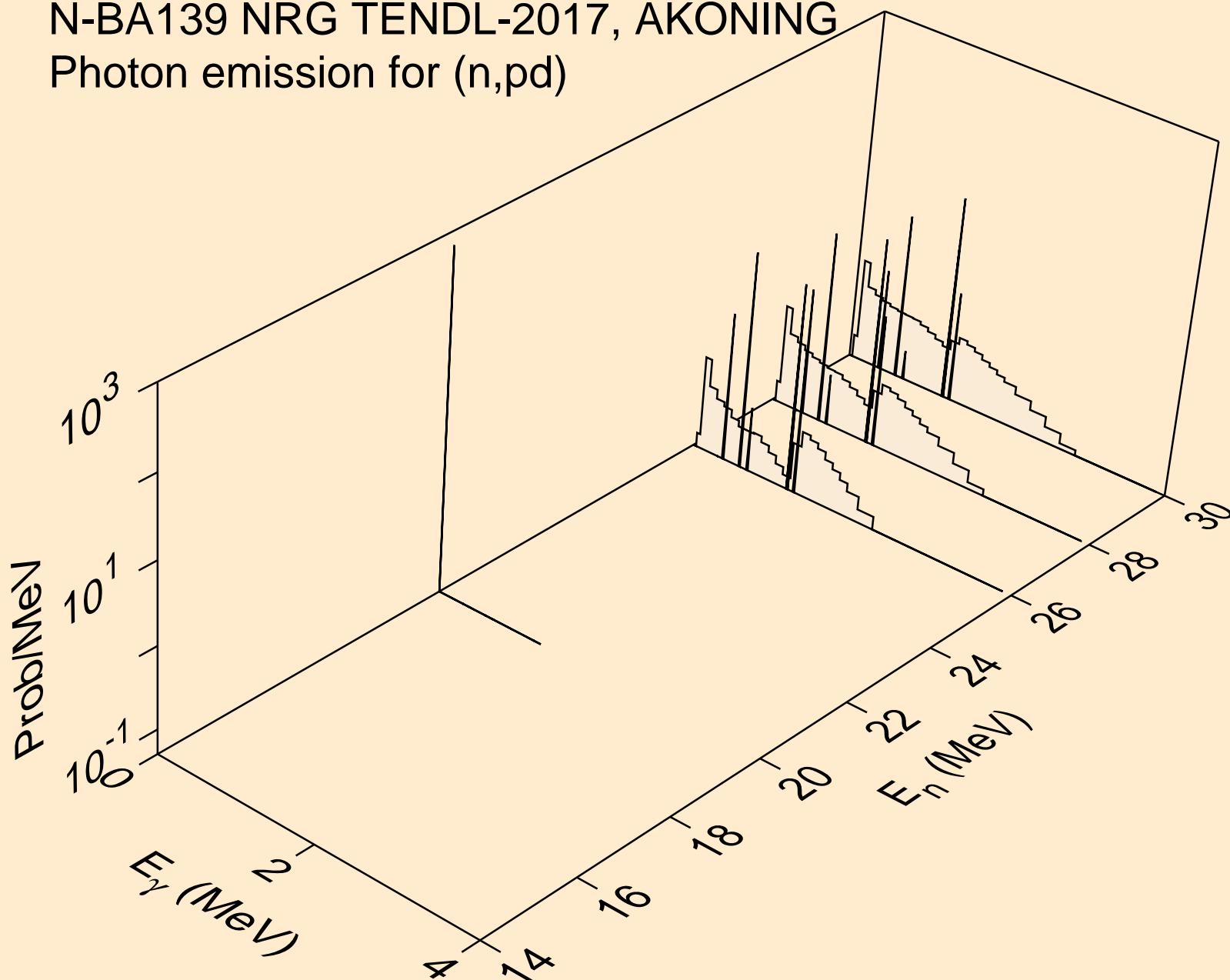
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Photon emission for (n,2p)



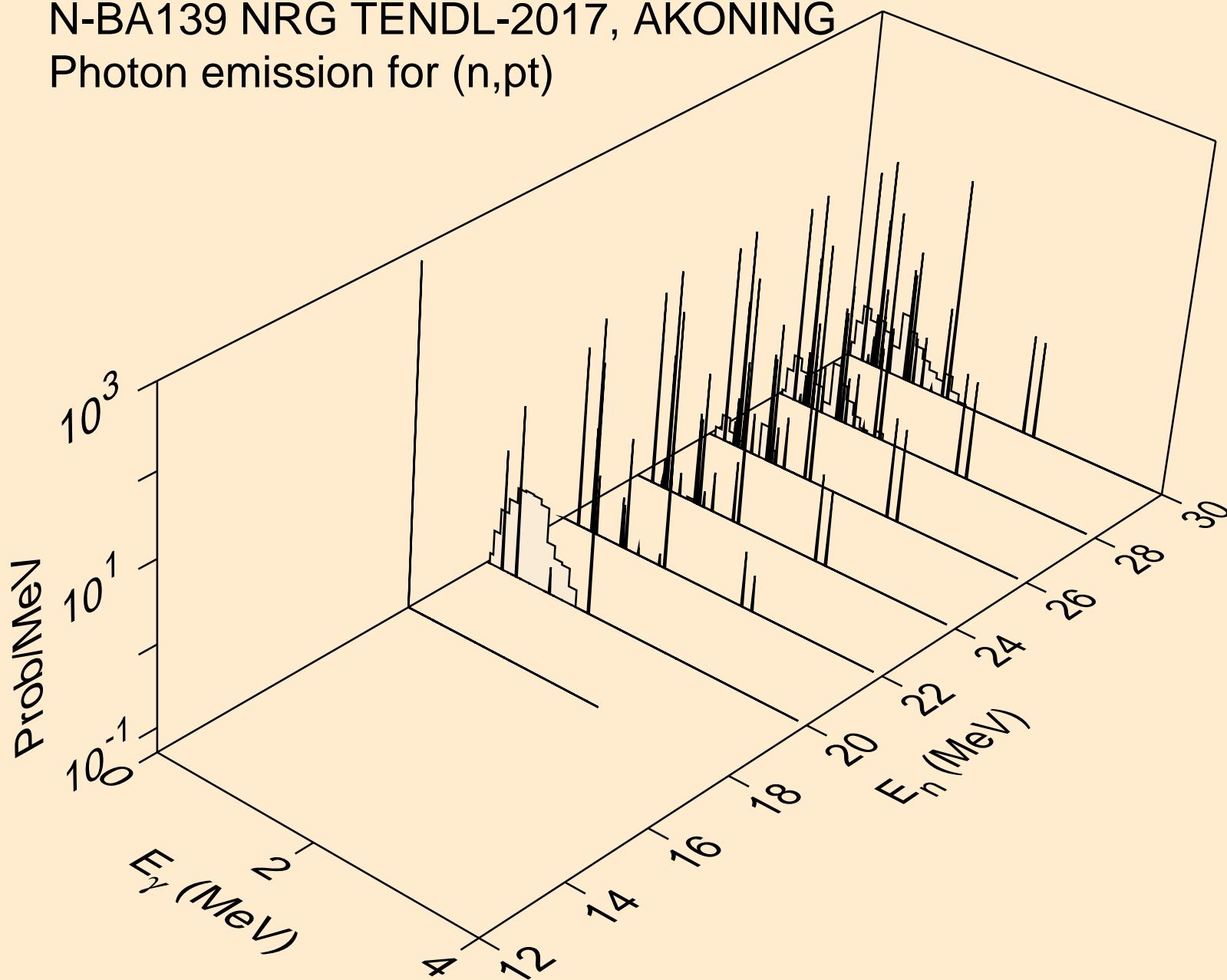
N-BA139 NRG TENDL-2017, AKONING
Photon emission for (n,pa)



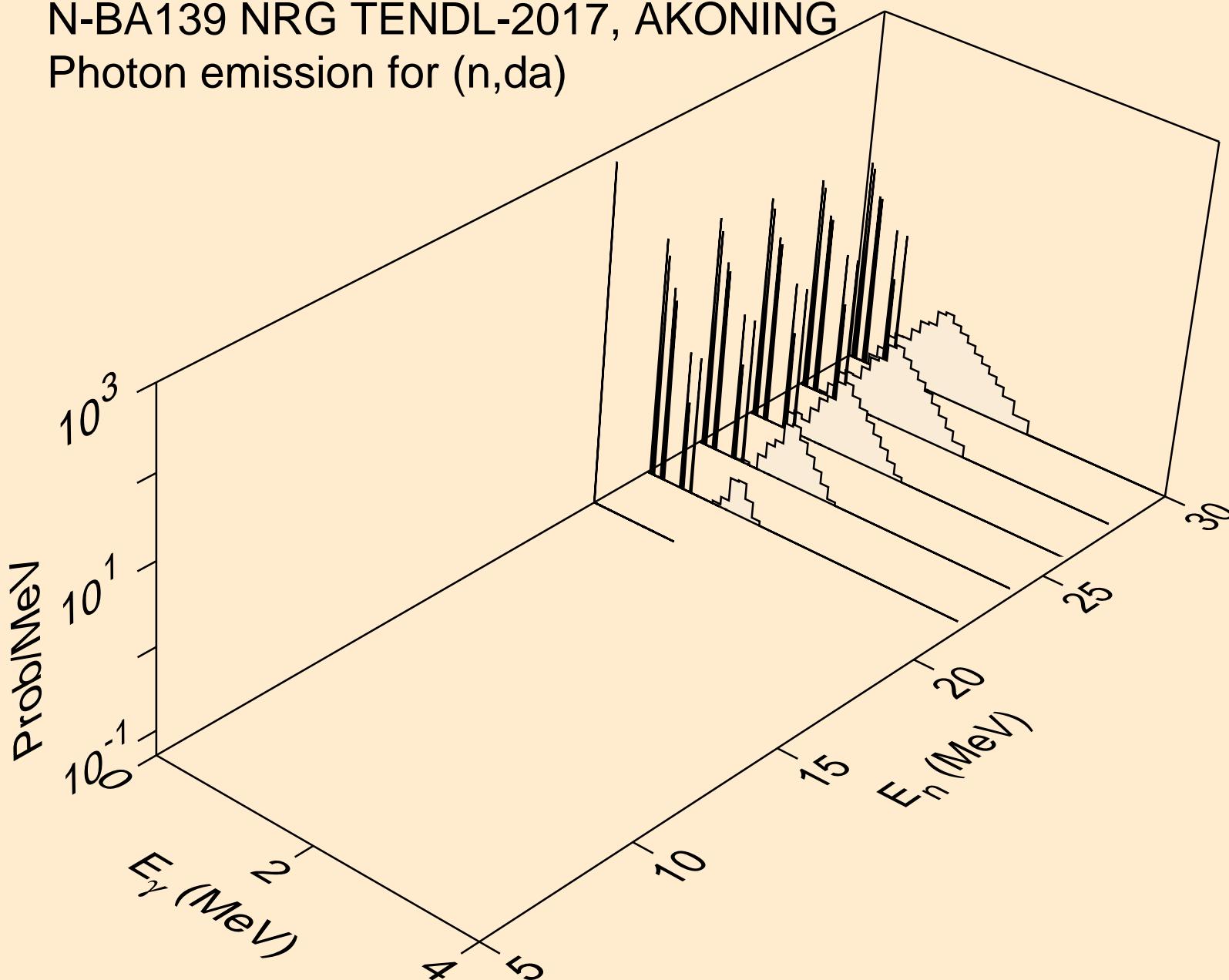
N-BA139 NRG TENDL-2017, AKONING
Photon emission for (n,pd)



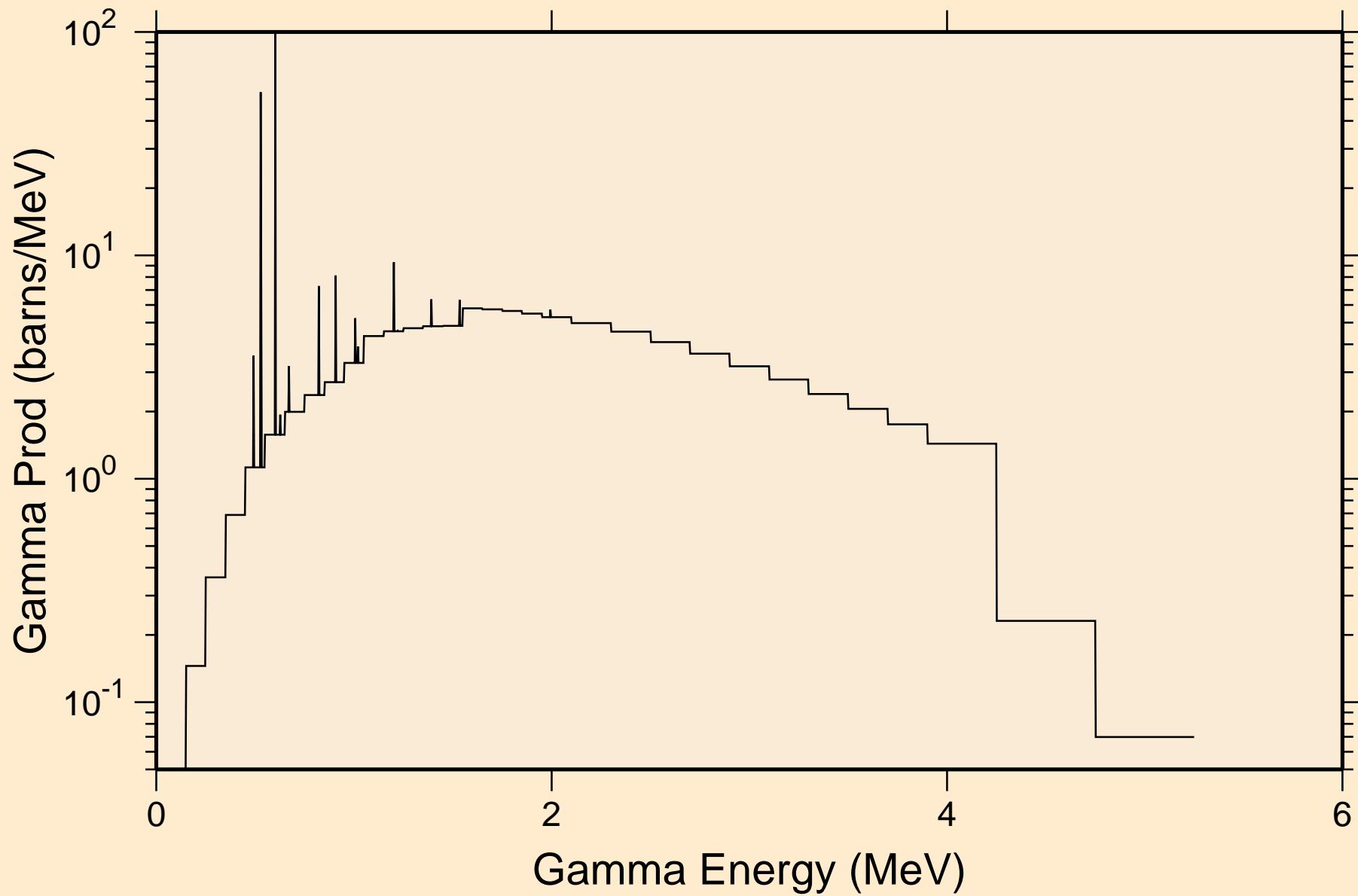
N-BA139 NRG TENDL-2017, AKONING
Photon emission for (n,pt)



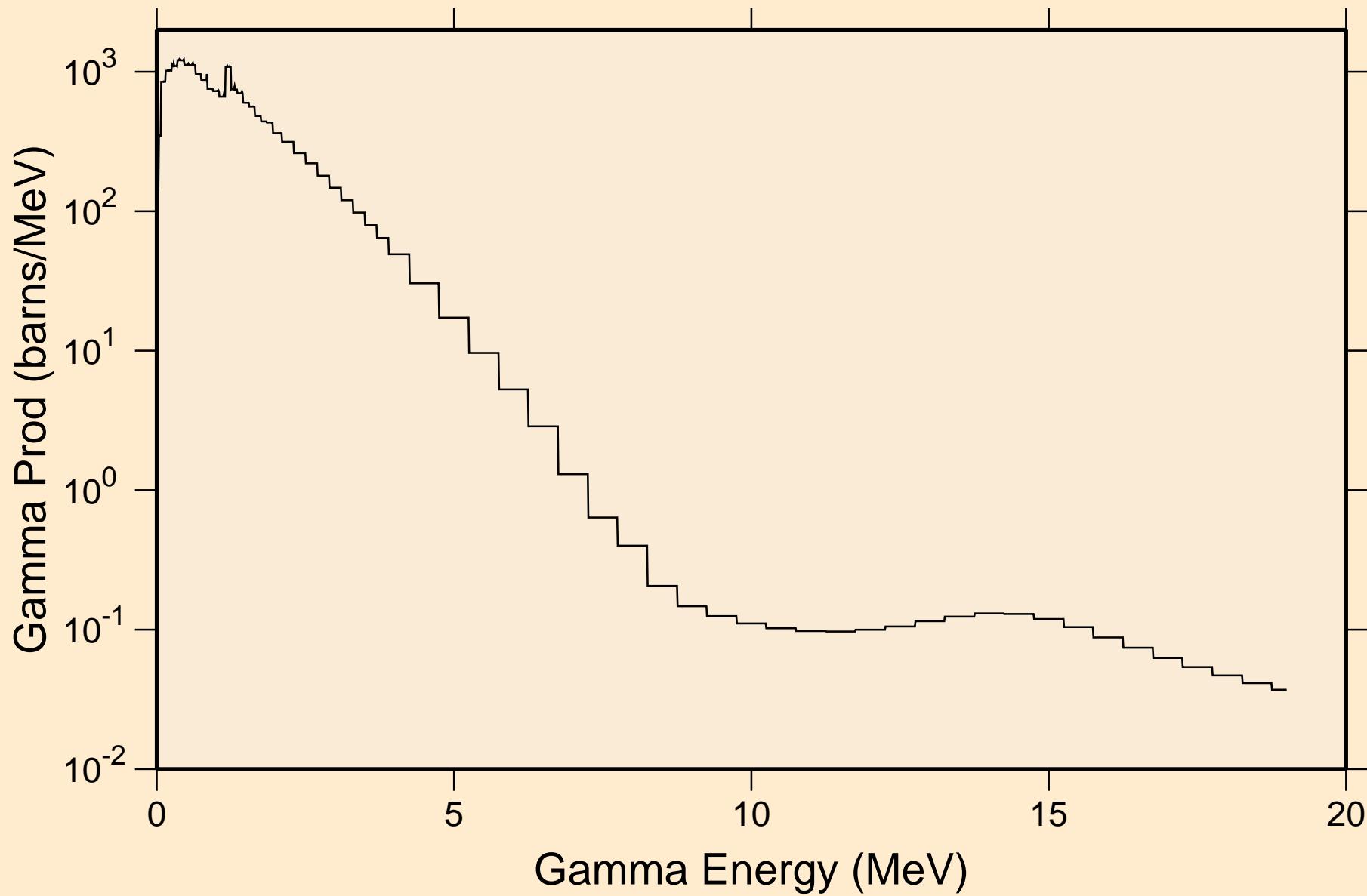
N-BA139 NRG TENDL-2017, AKONING
Photon emission for (n,da)



N-BA139 NRG TENDL-2017, AKONING
thermal capture photon spectrum

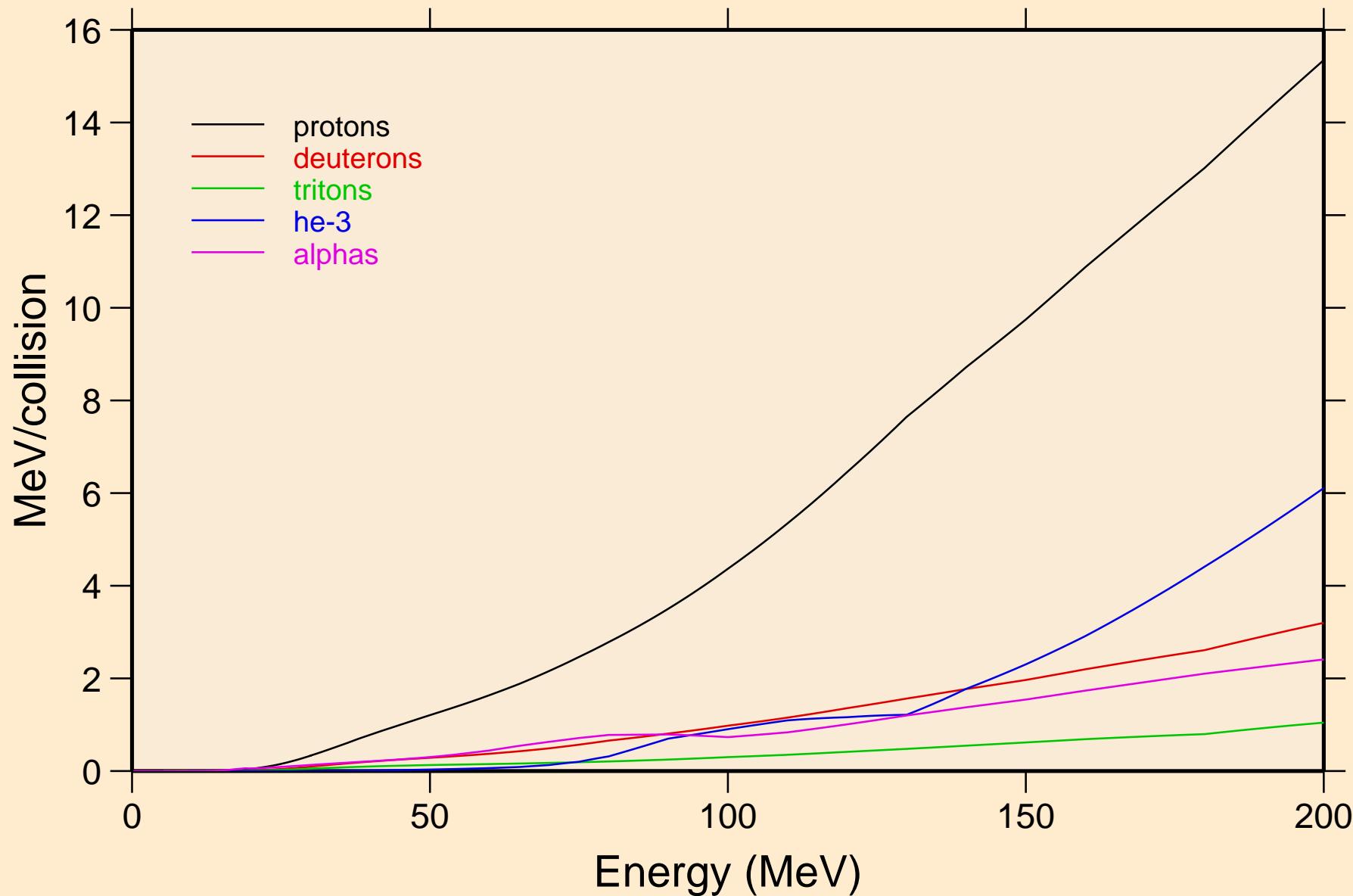


N-BA139 NRG TENDL-2017, AKONING
14 MeV photon spectrum



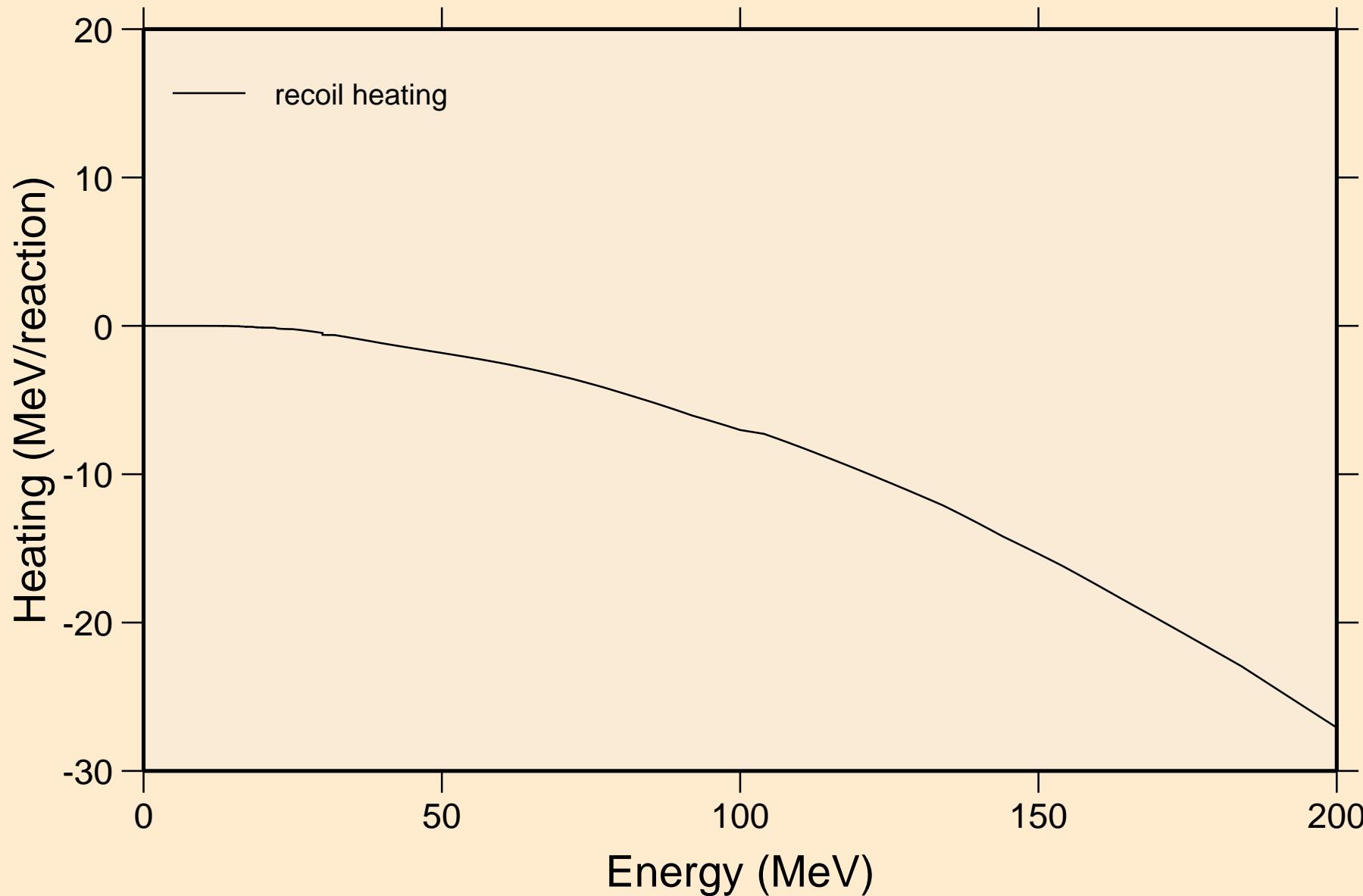
N-BA139 NRG TENDL-2017, AKONING

Particle heating contributions

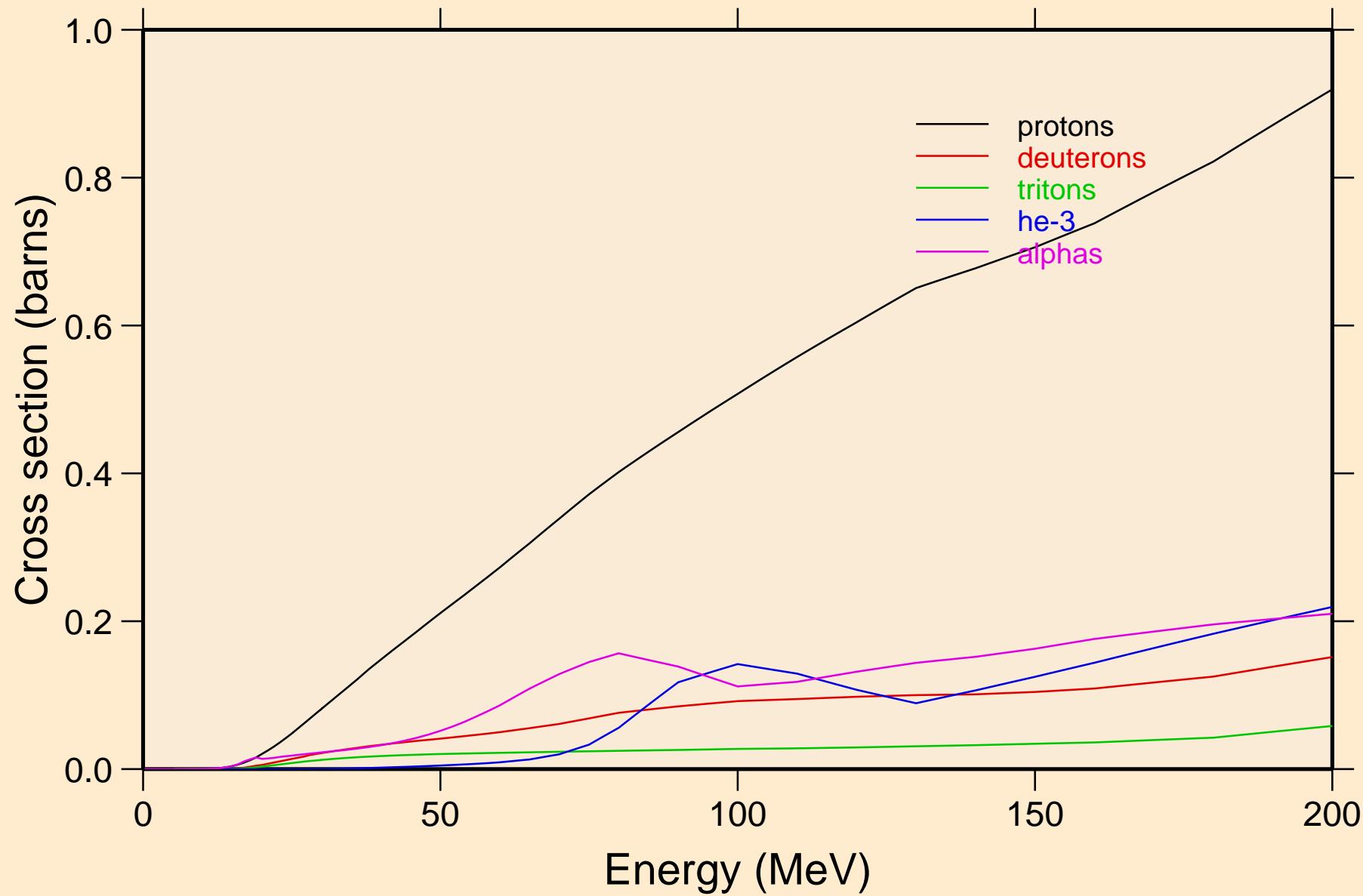


N-BA139 NRG TENDL-2017, AKONING

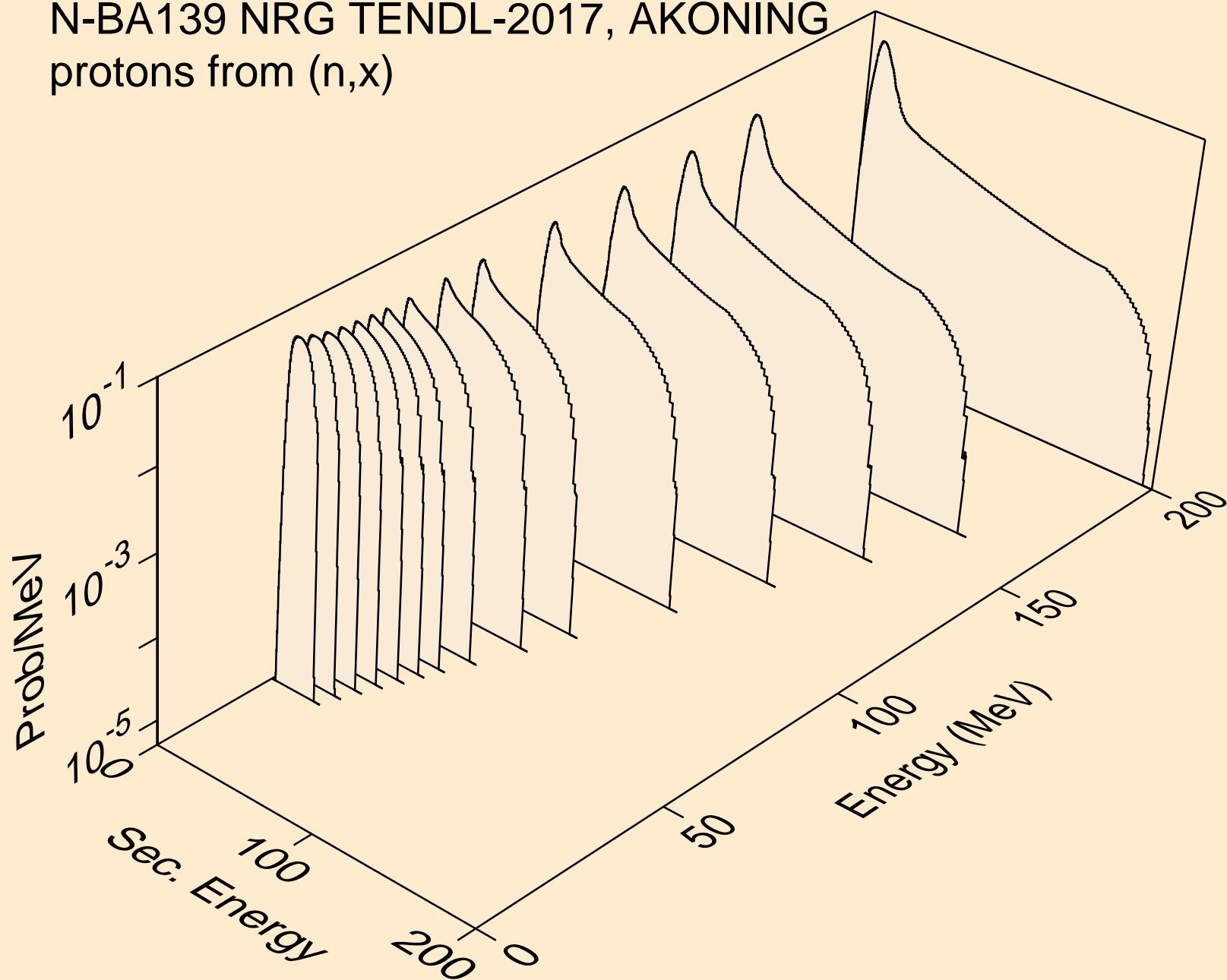
Recoil Heating



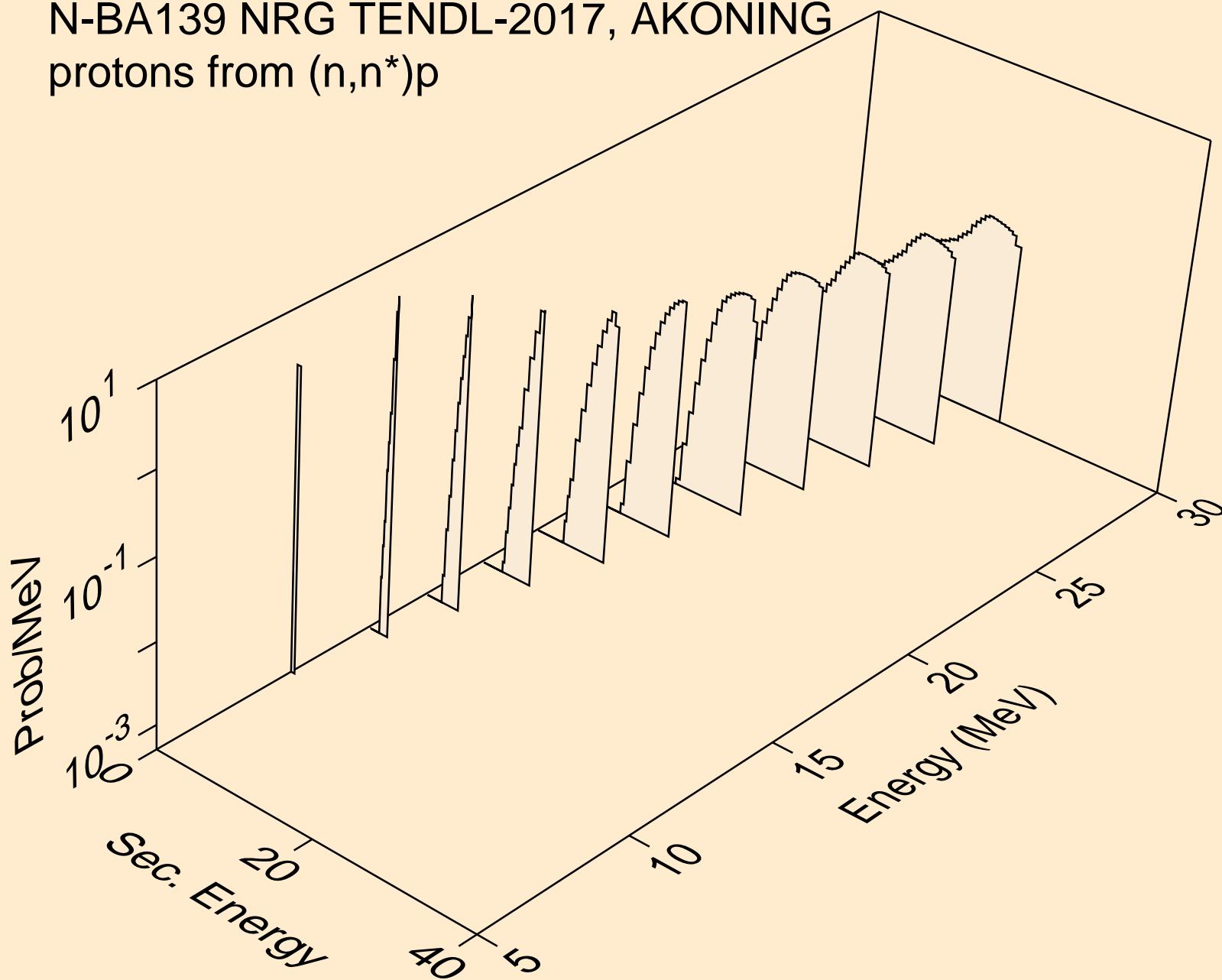
N-BA139 NRG TENDL-2017, AKONING
Particle production cross sections



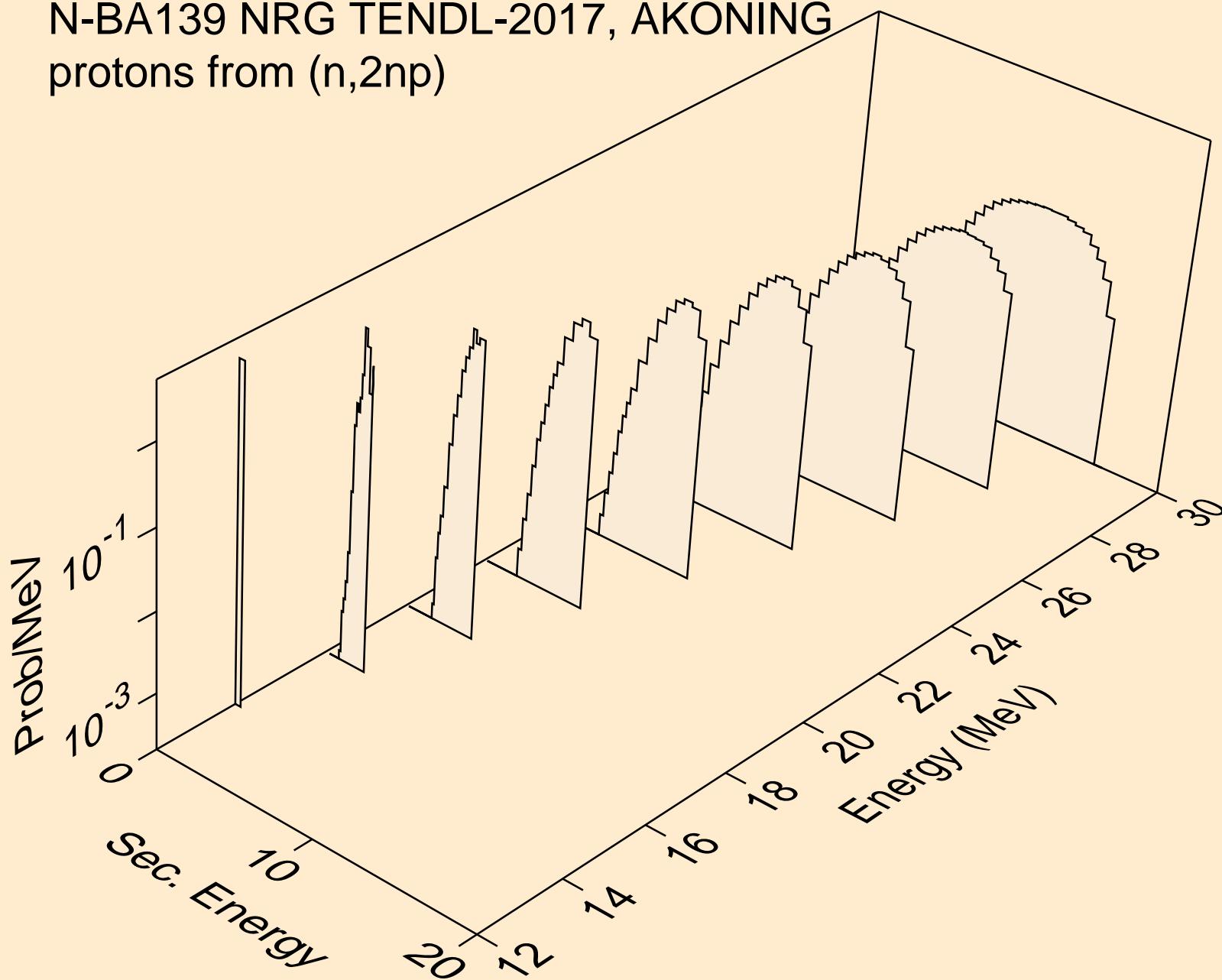
N-BA139 NRG TENDL-2017, AKONING
protons from (n,x)



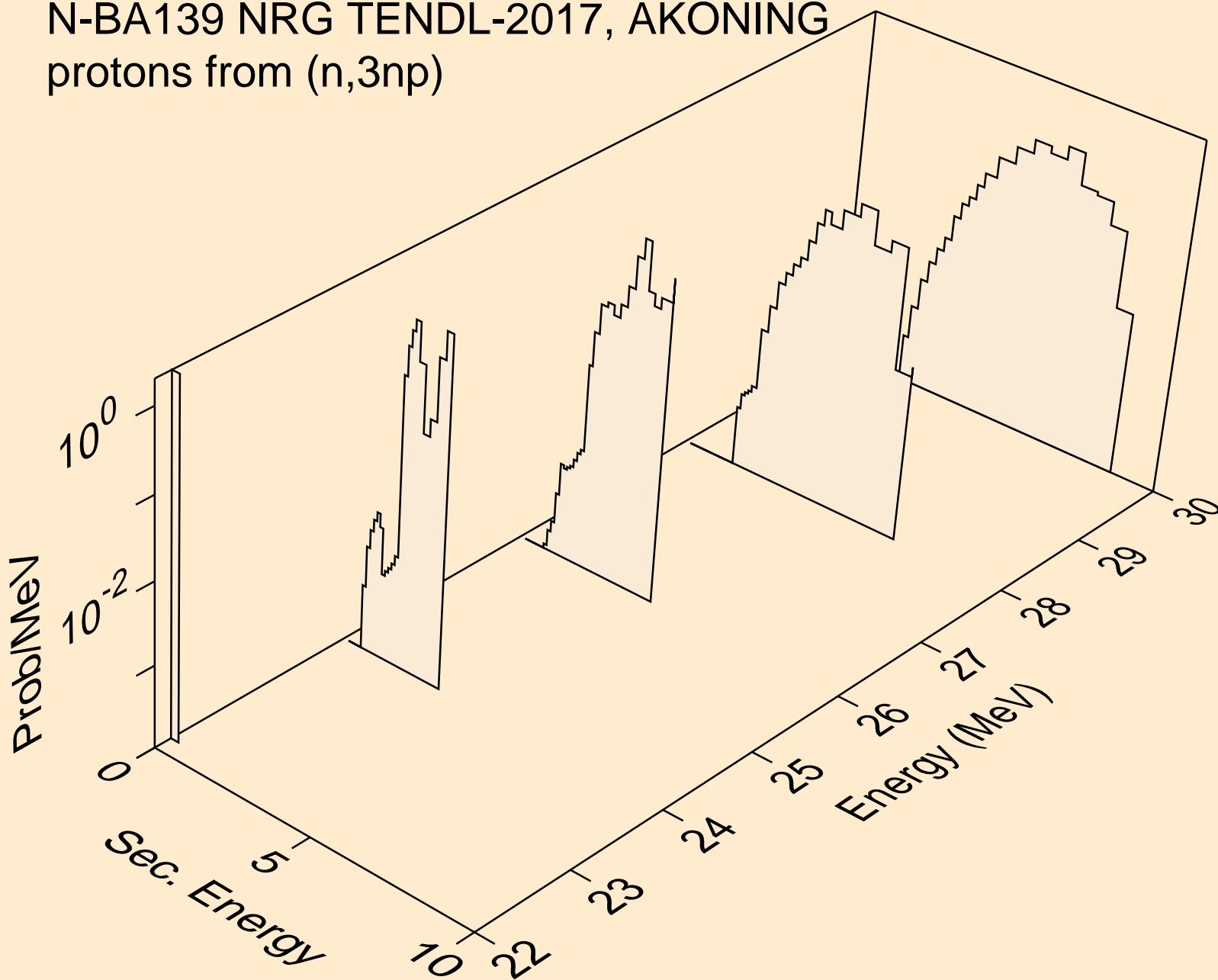
N-BA139 NRG TENDL-2017, AKONING
protons from $(n,n^*)p$



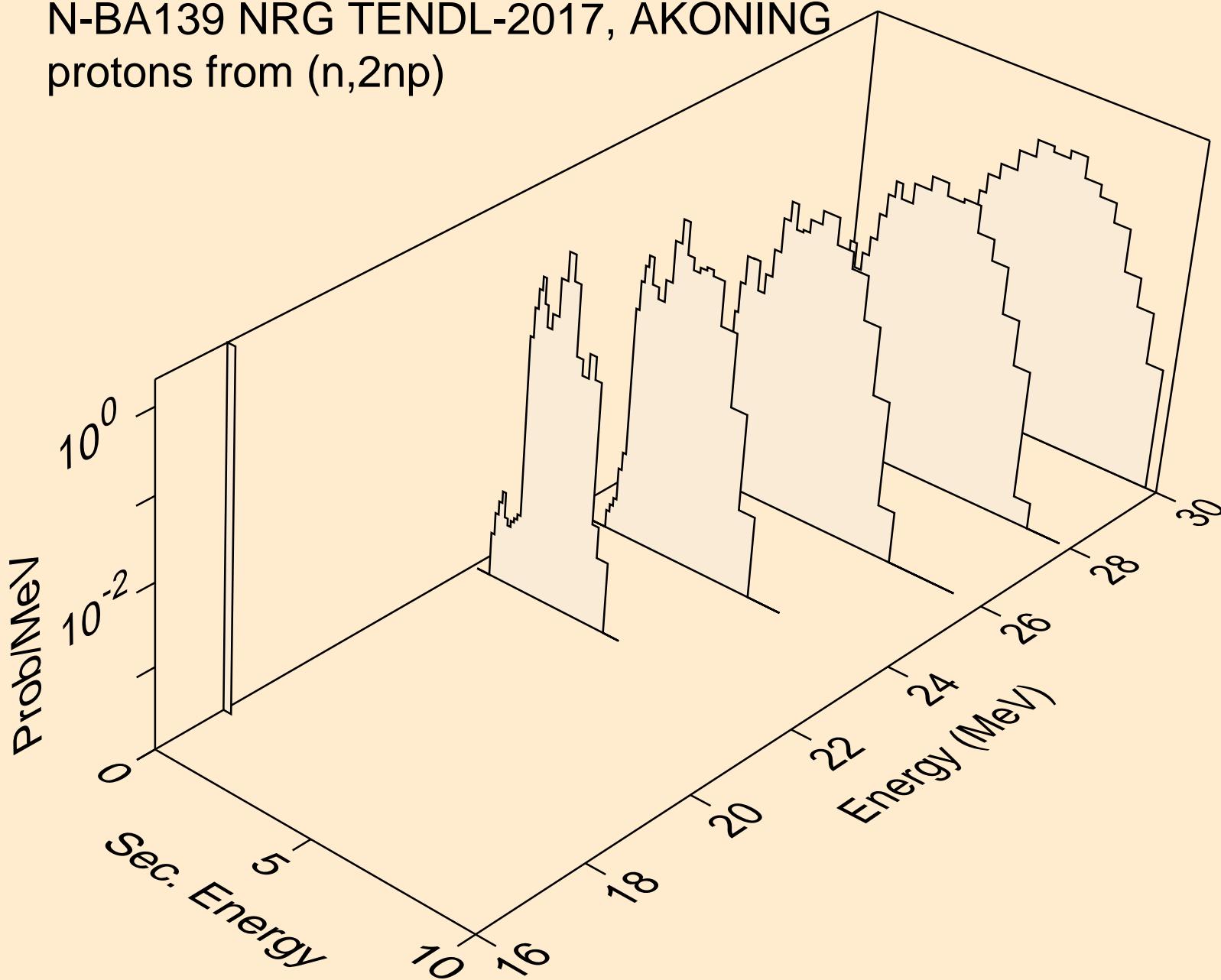
N-BA139 NRG TENDL-2017, AKONING
protons from ($n,2np$)



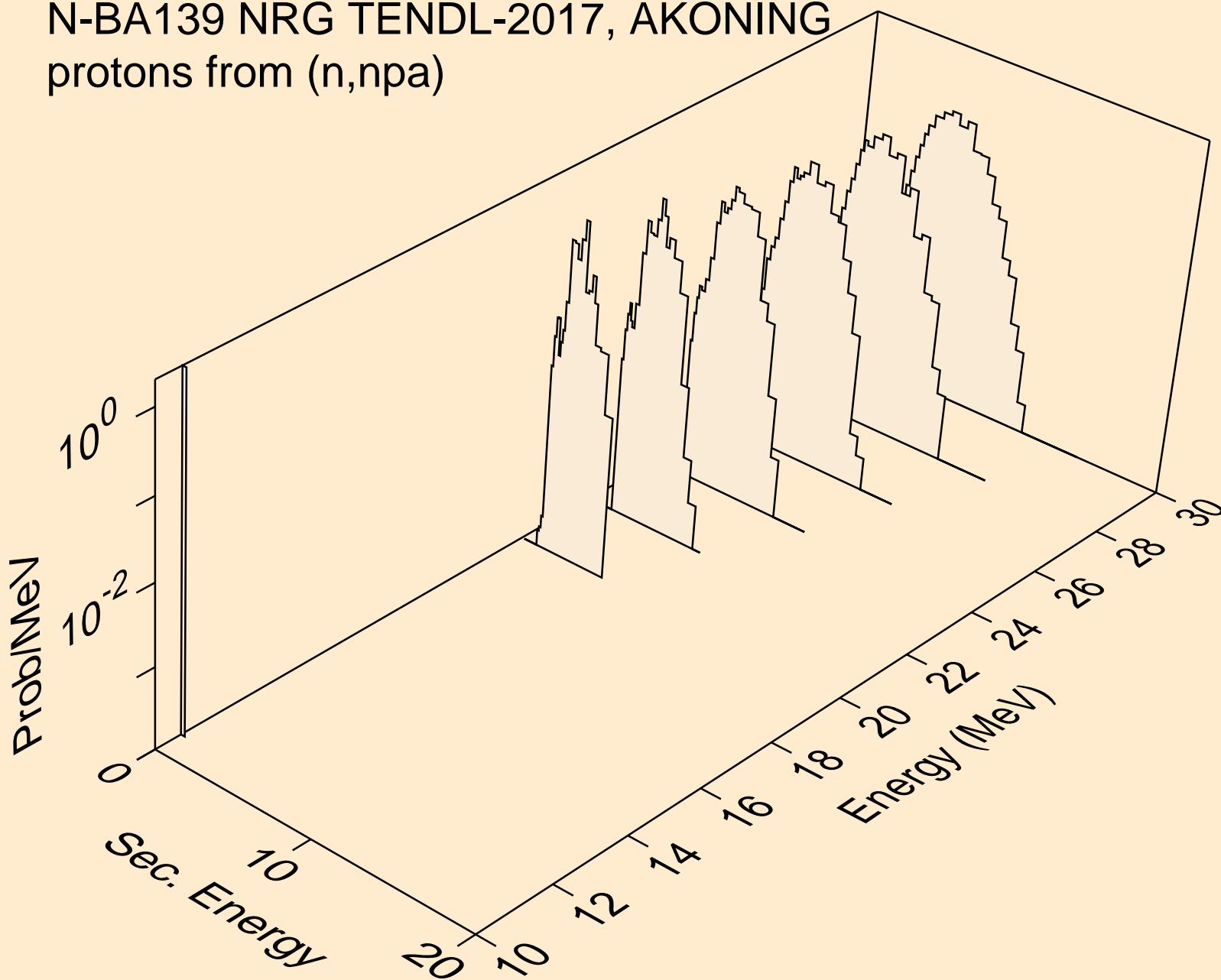
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protons from ($n,3np$)



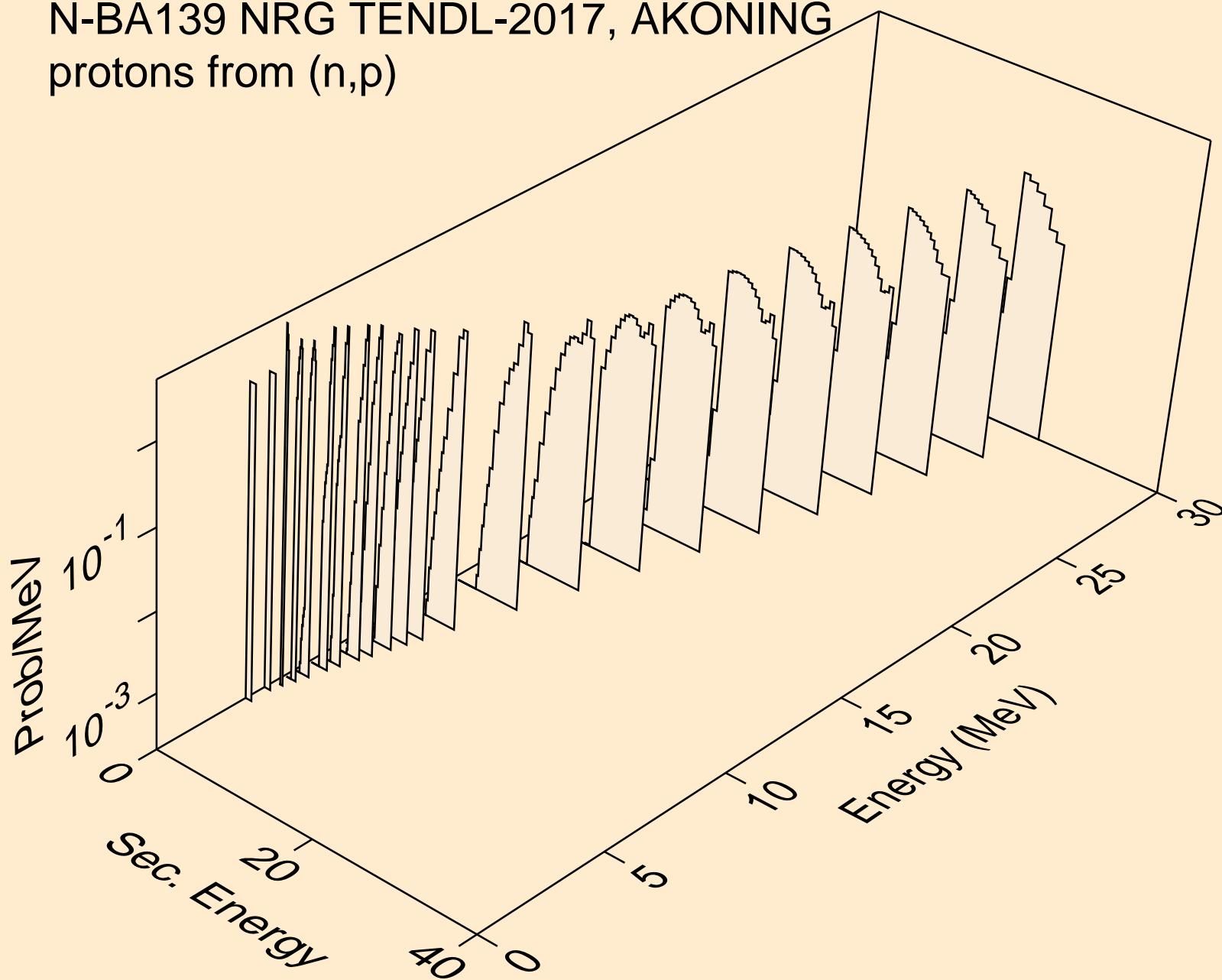
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protons from ($n,2np$)



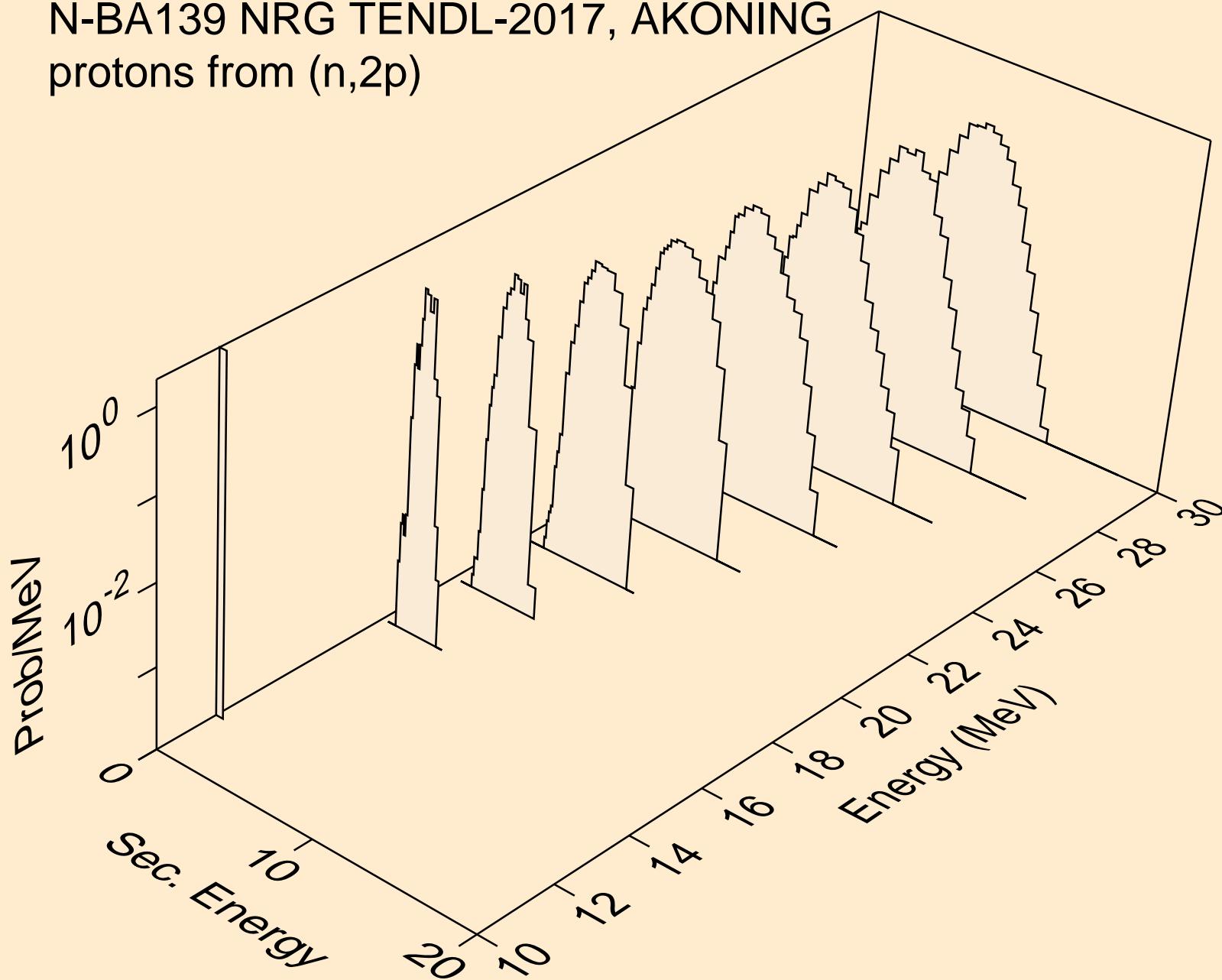
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protons from (n,npa)



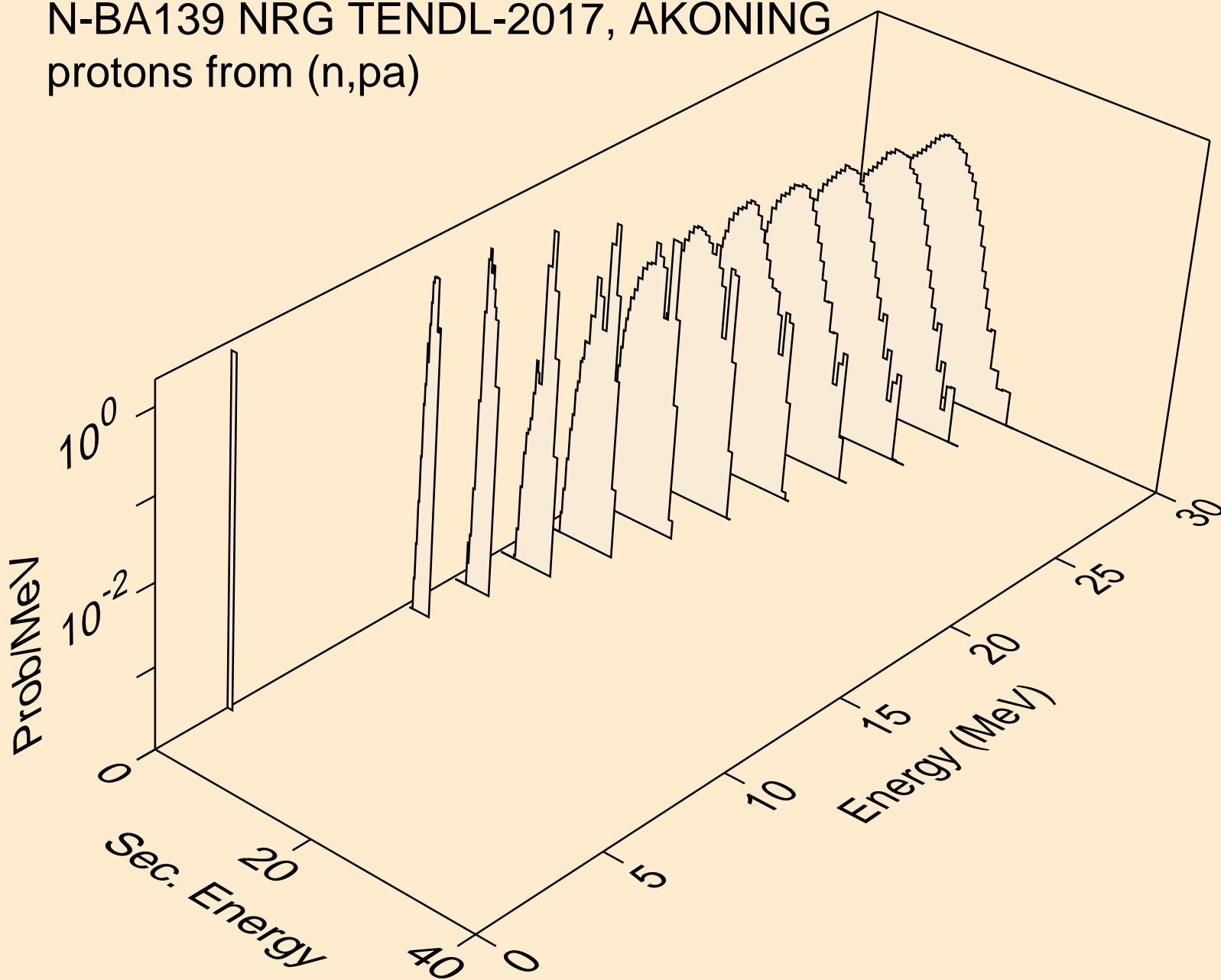
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protons from (n,p)



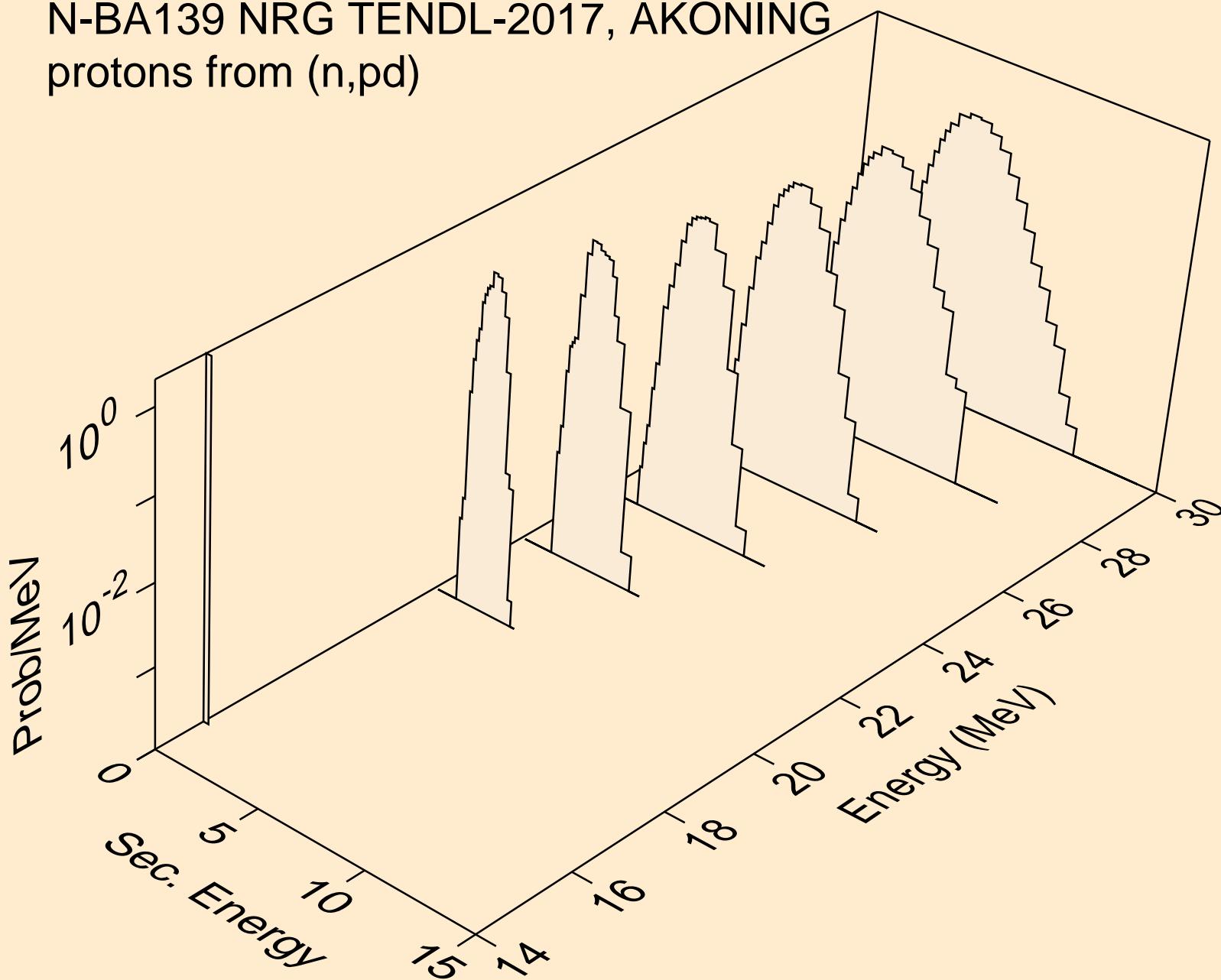
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protons from ($n,2p$)



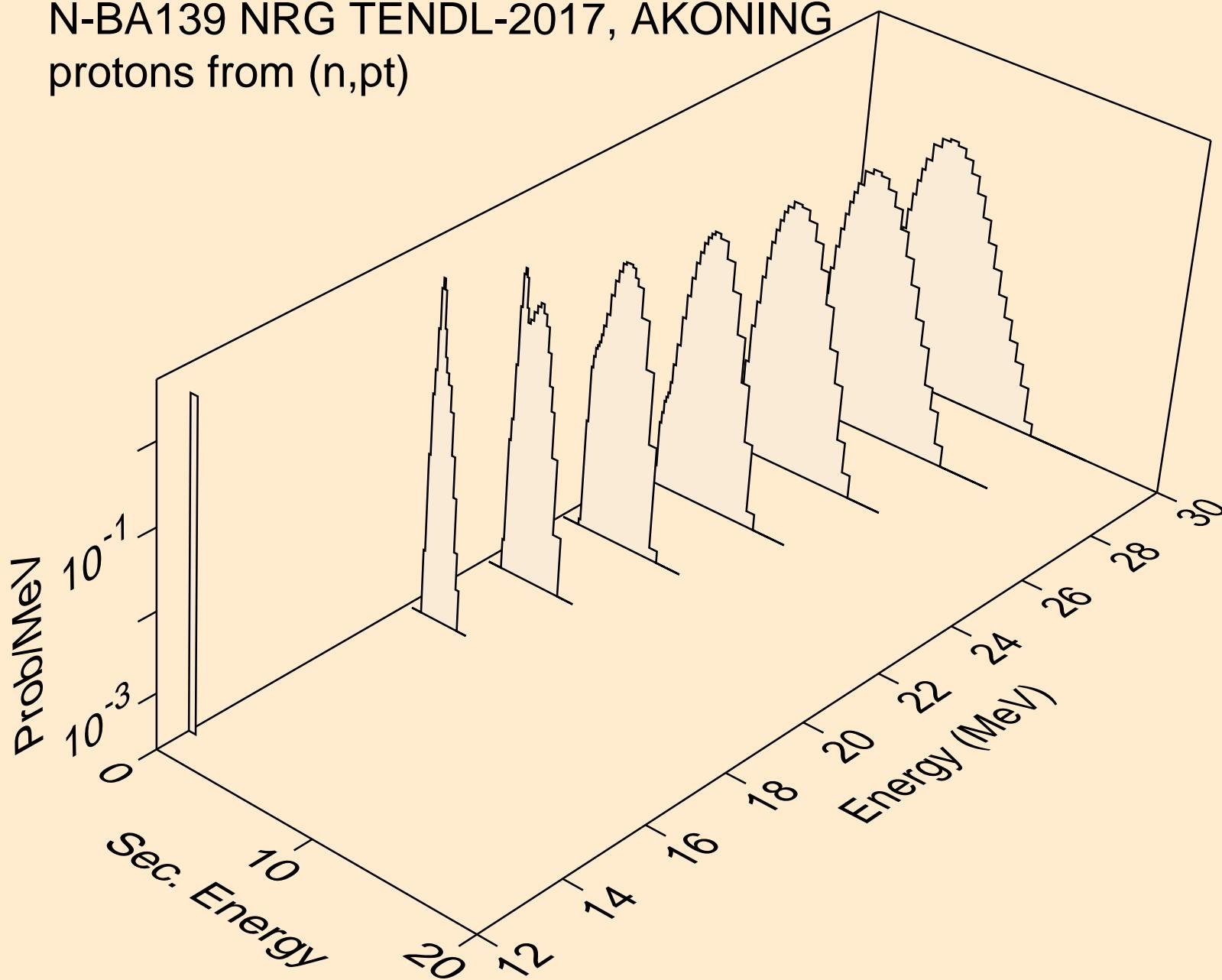
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protons from (n,pa)



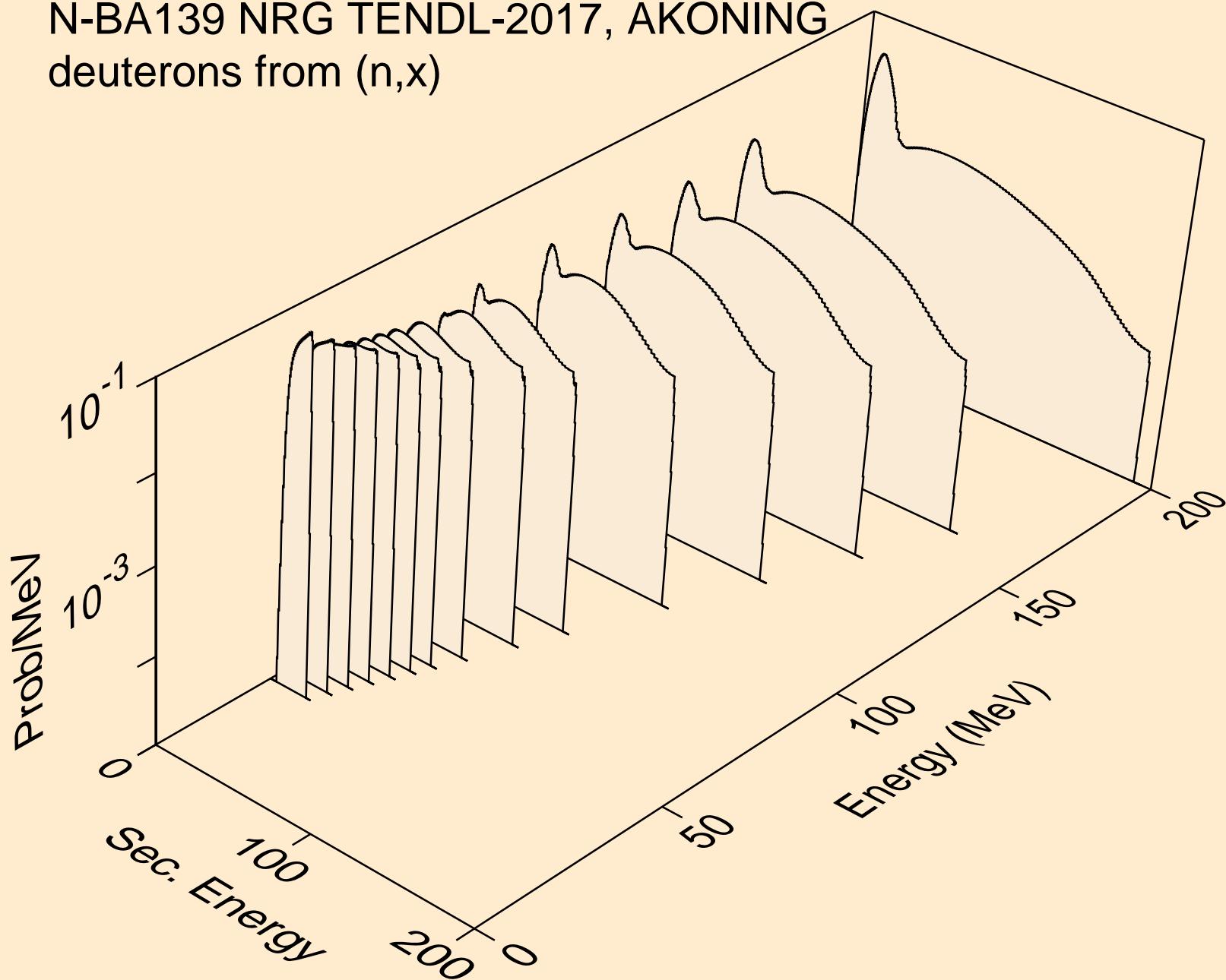
N-BA139 NRG TENDL-2017, AKONING
protons from (n,pd)



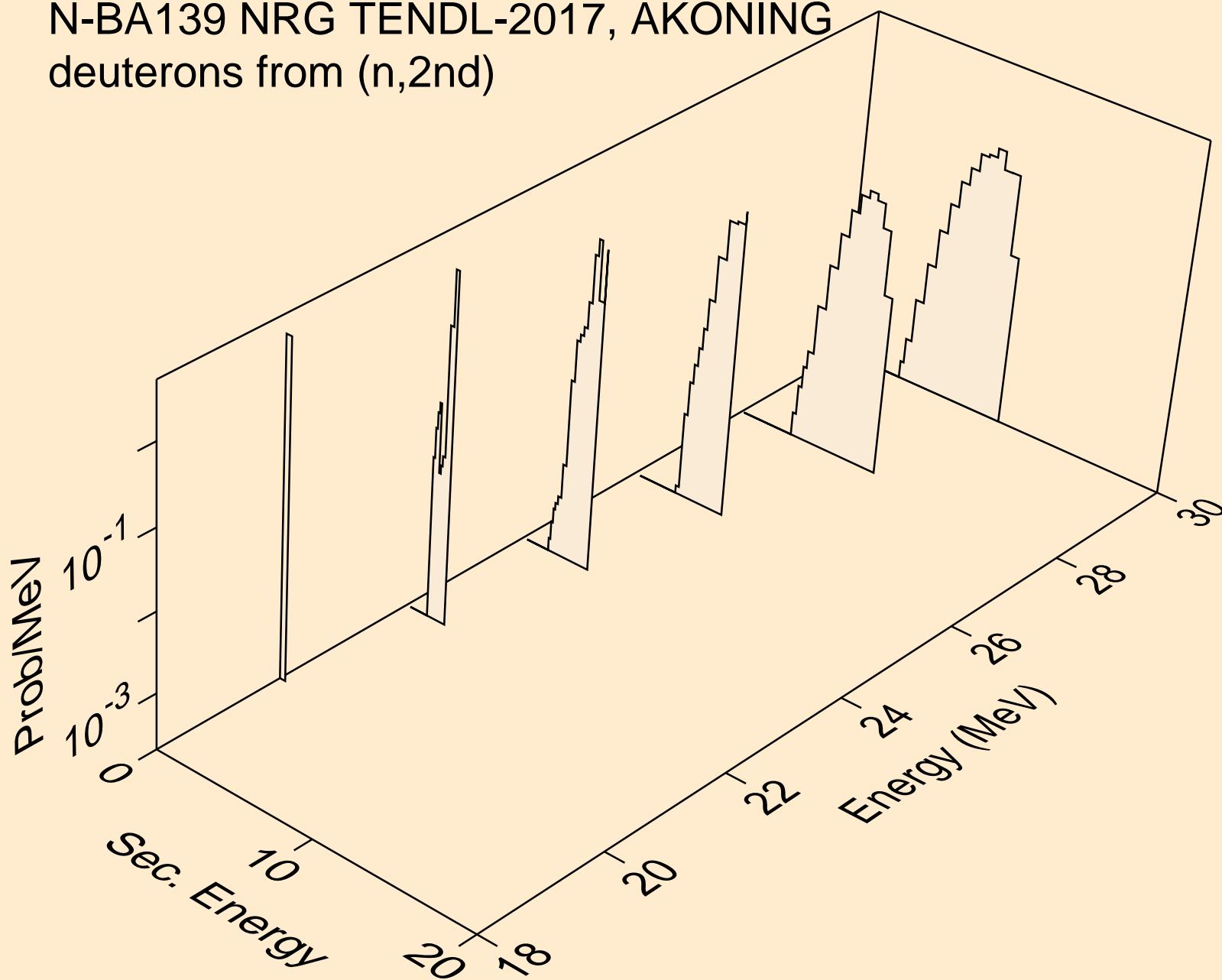
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protons from (n,pt)



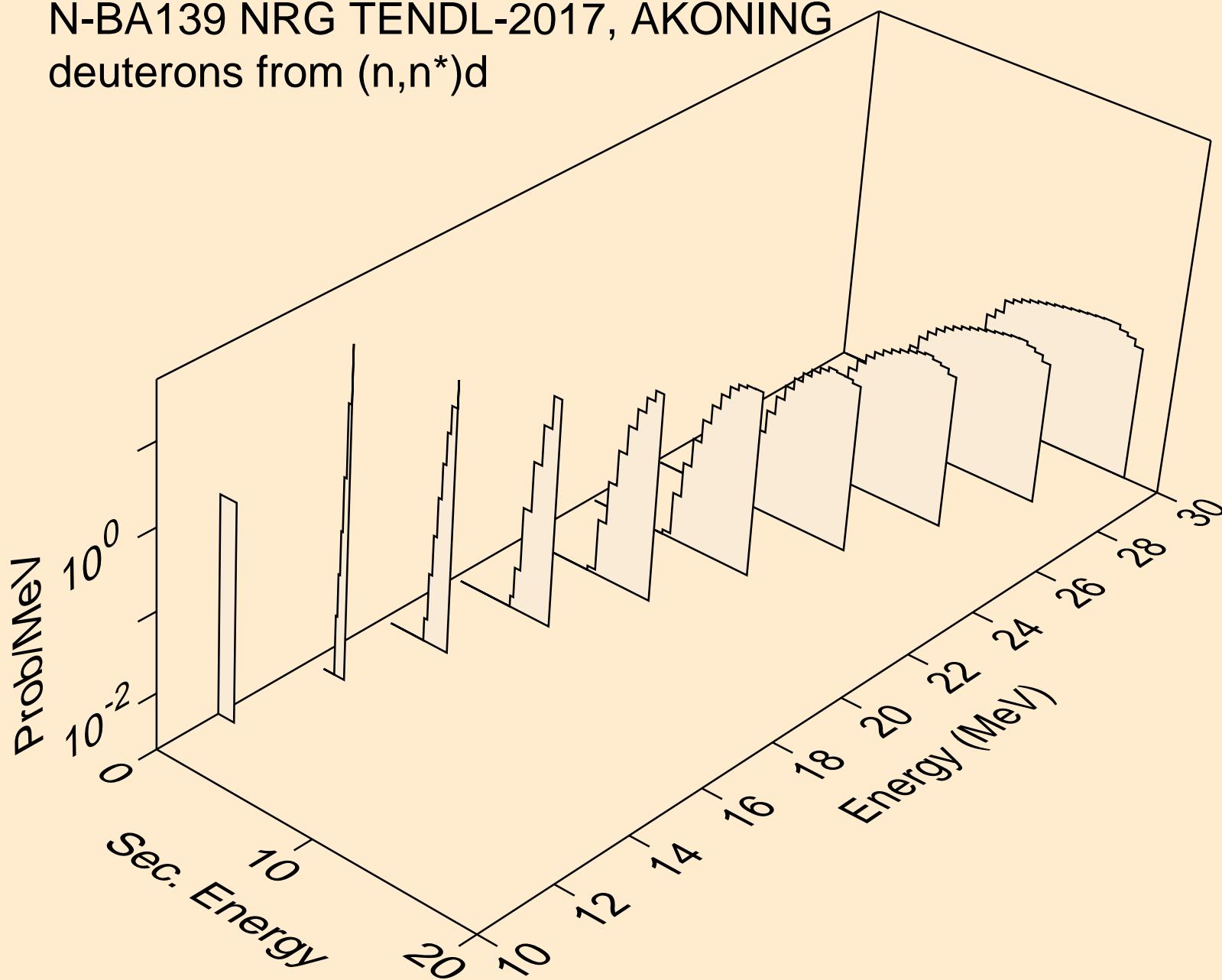
N-BA139 NRG TENDL-2017, AKONING
deuterons from (n, x)



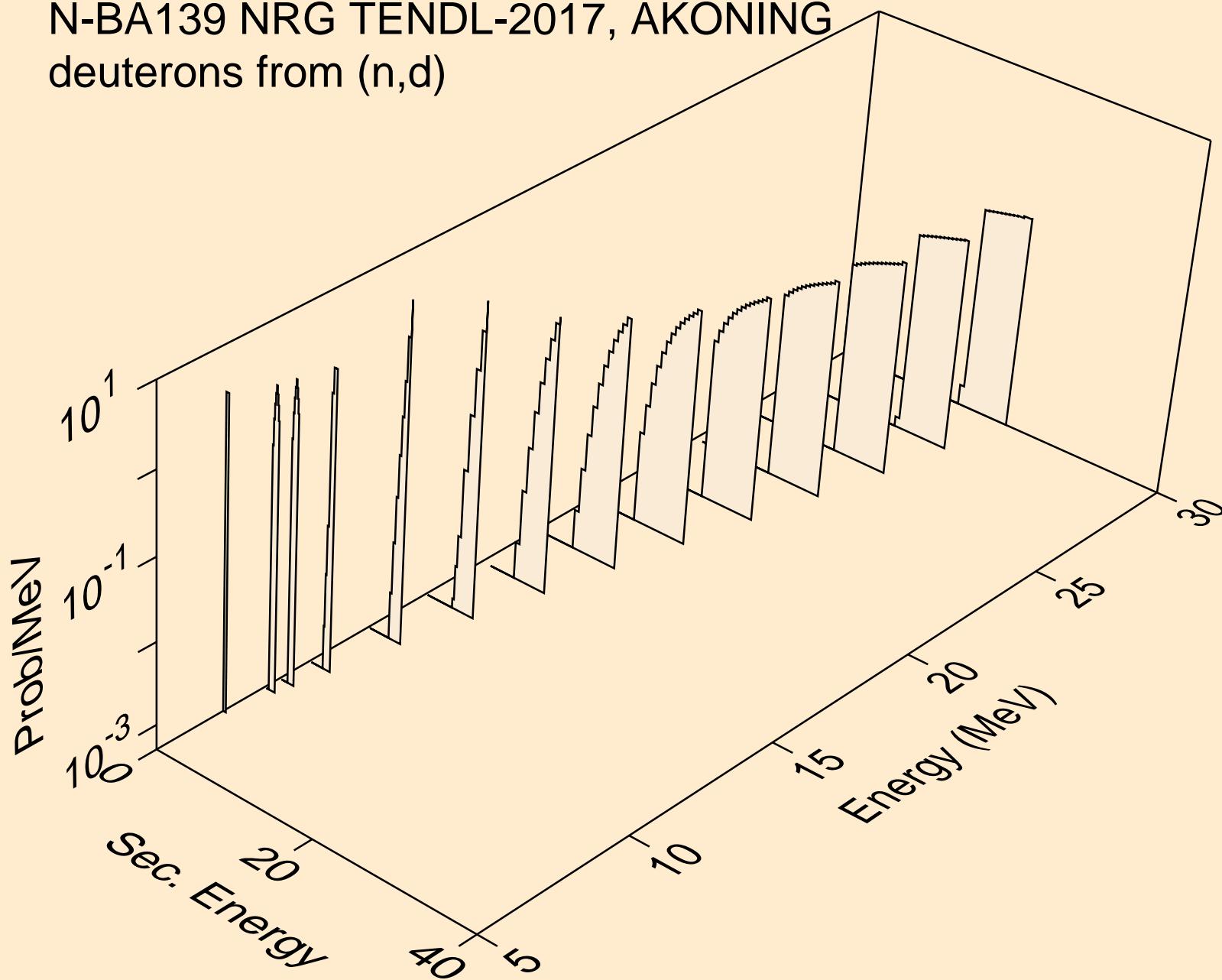
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deuterons from ($n,2nd$)



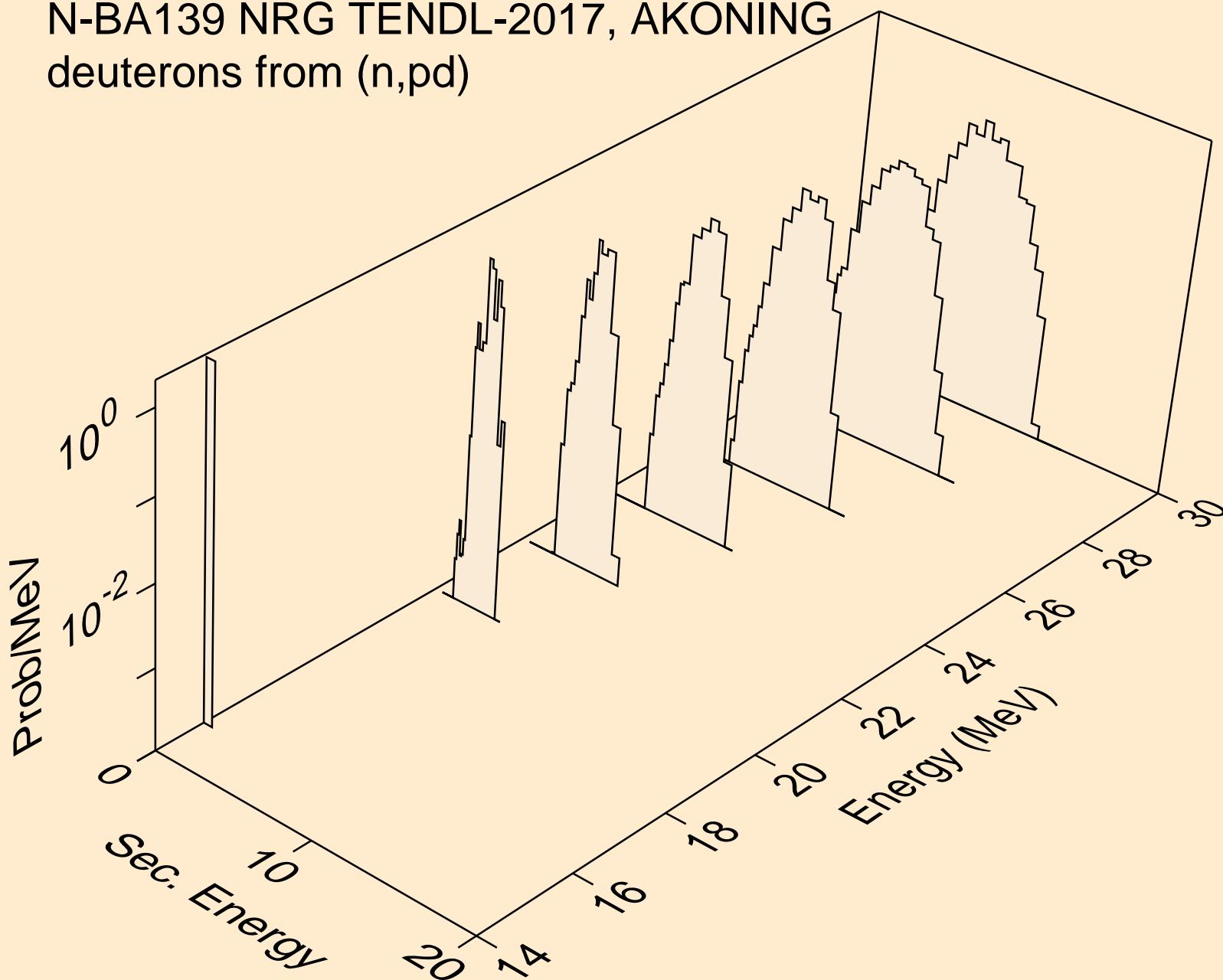
N-BA139 NRG TENDL-2017, AKONING
deuterons from $(n,n^*)d$



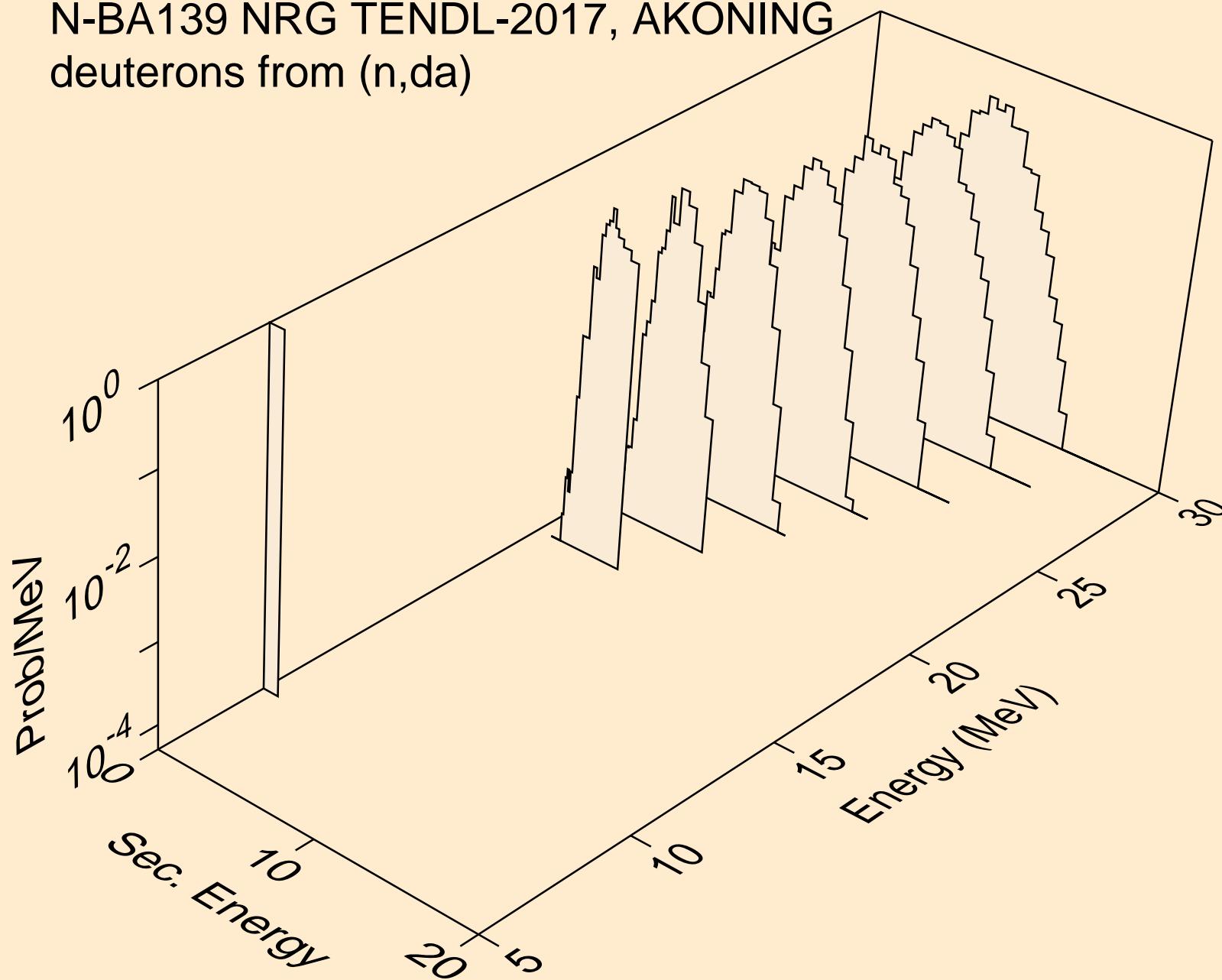
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deuterons from (n, d)



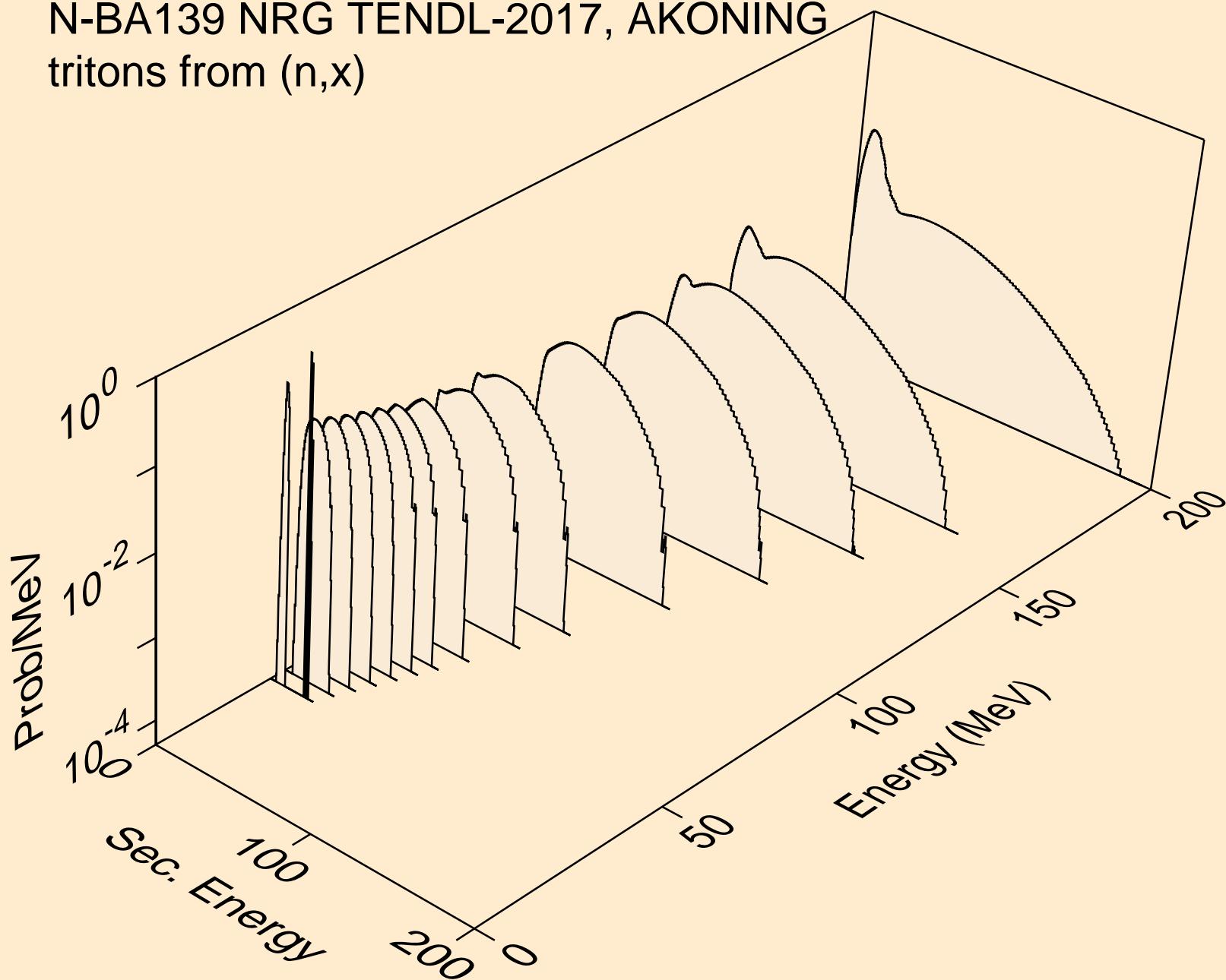
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deuterons from (n,pd)



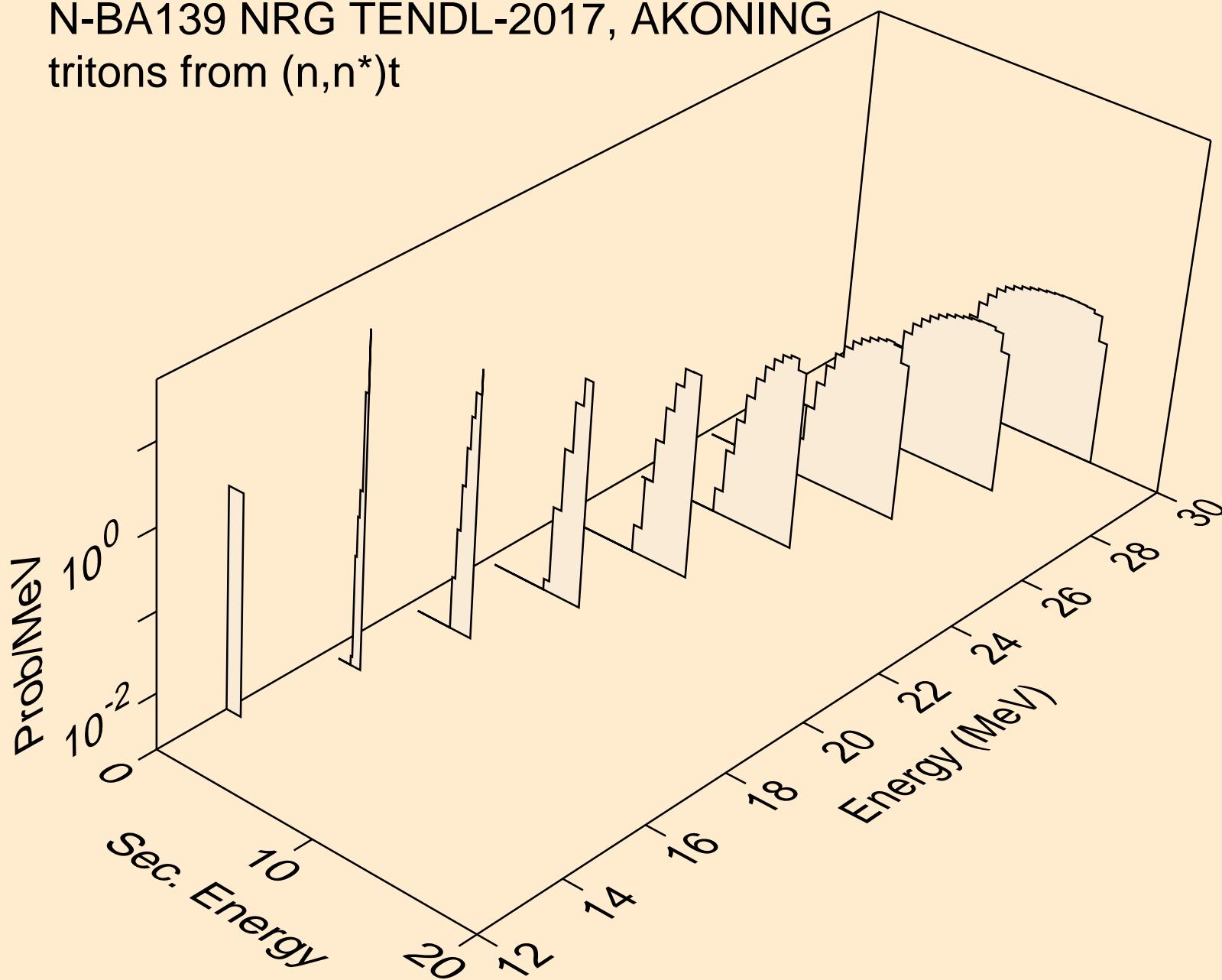
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deuterons from (n,da)



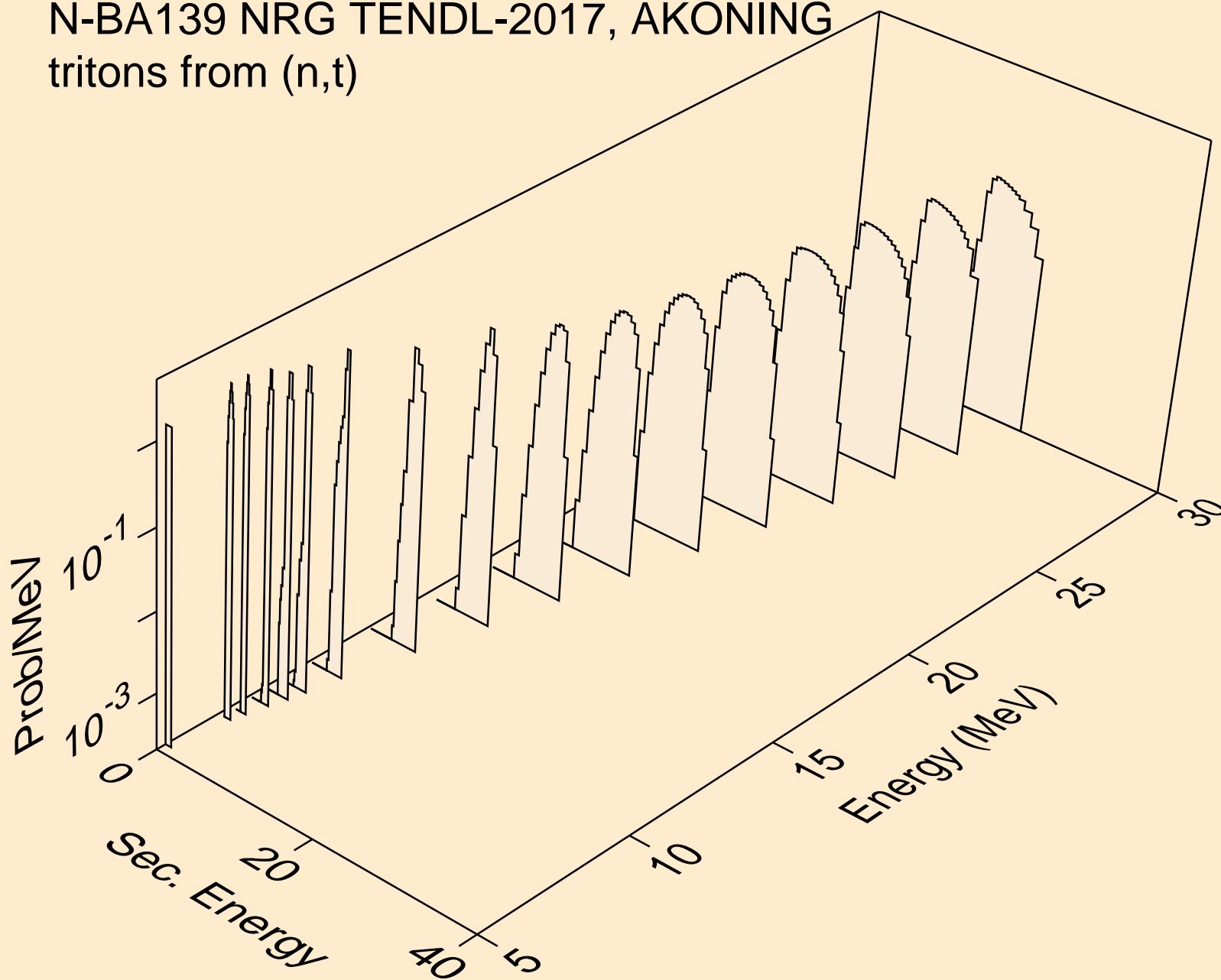
N-BA139 NRG TENDL-2017, AKONING
tritons from (n,x)



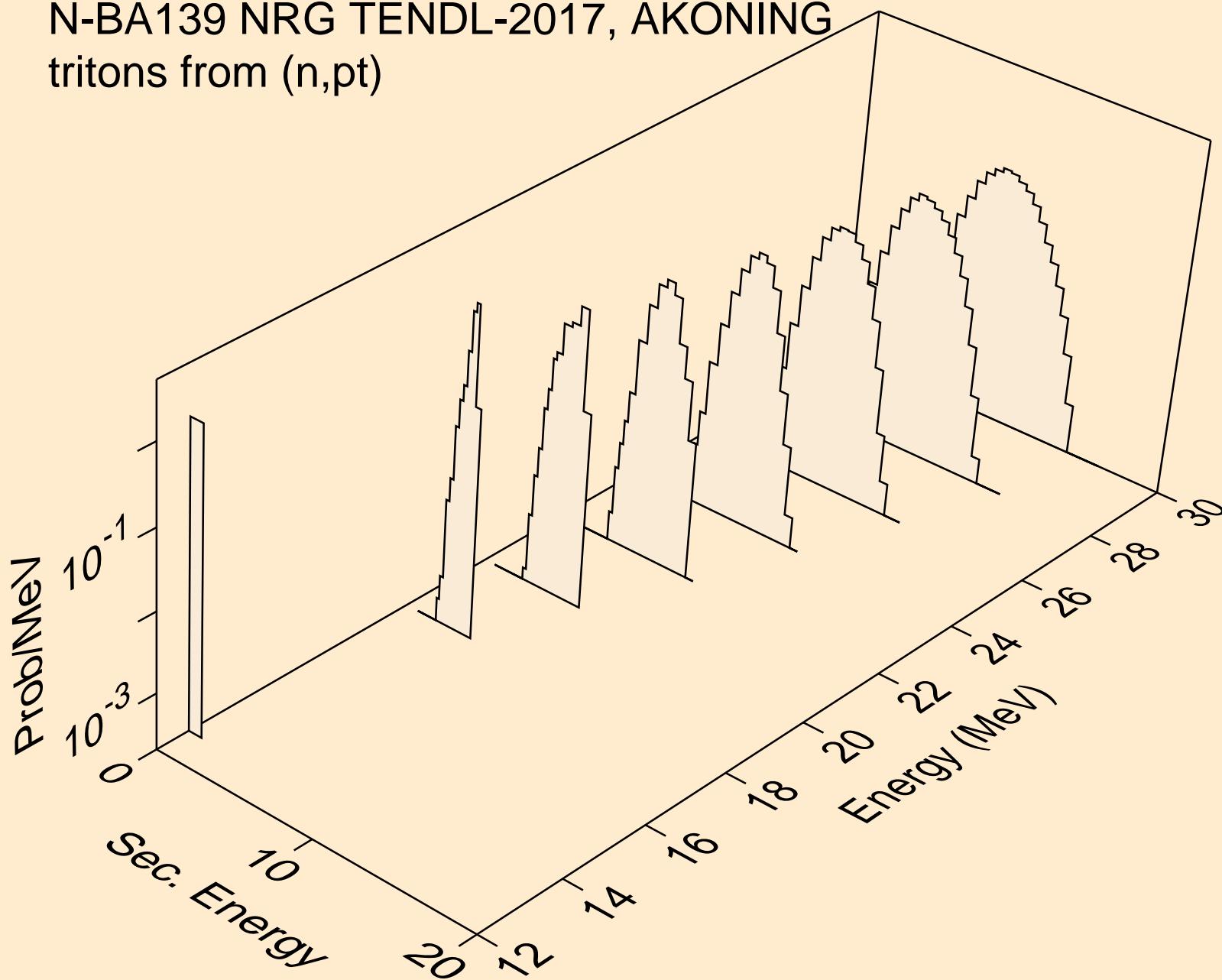
N-BA139 NRG TENDL-2017, AKONING
tritons from $(n,n^*)t$



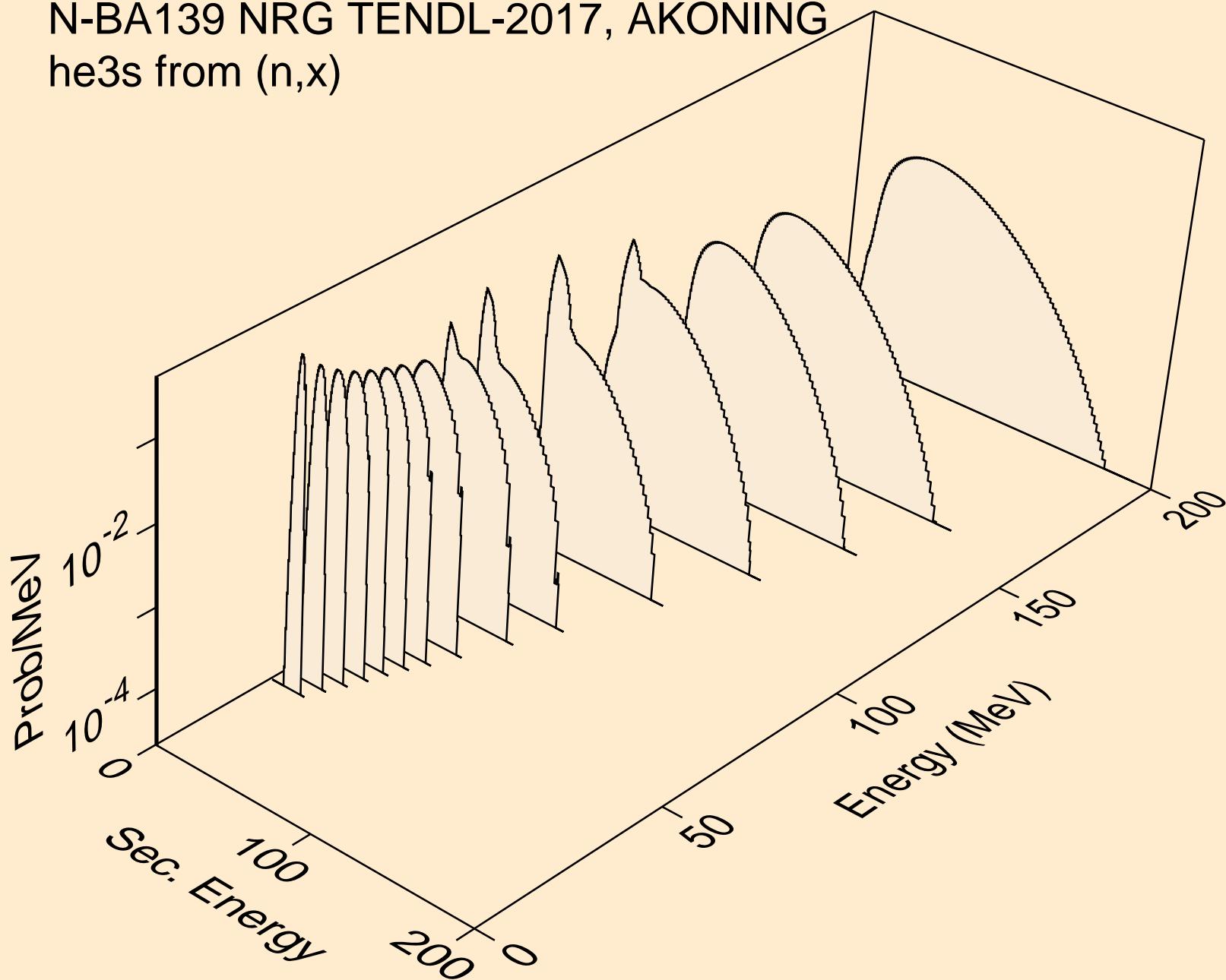
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tritons from (n,t)



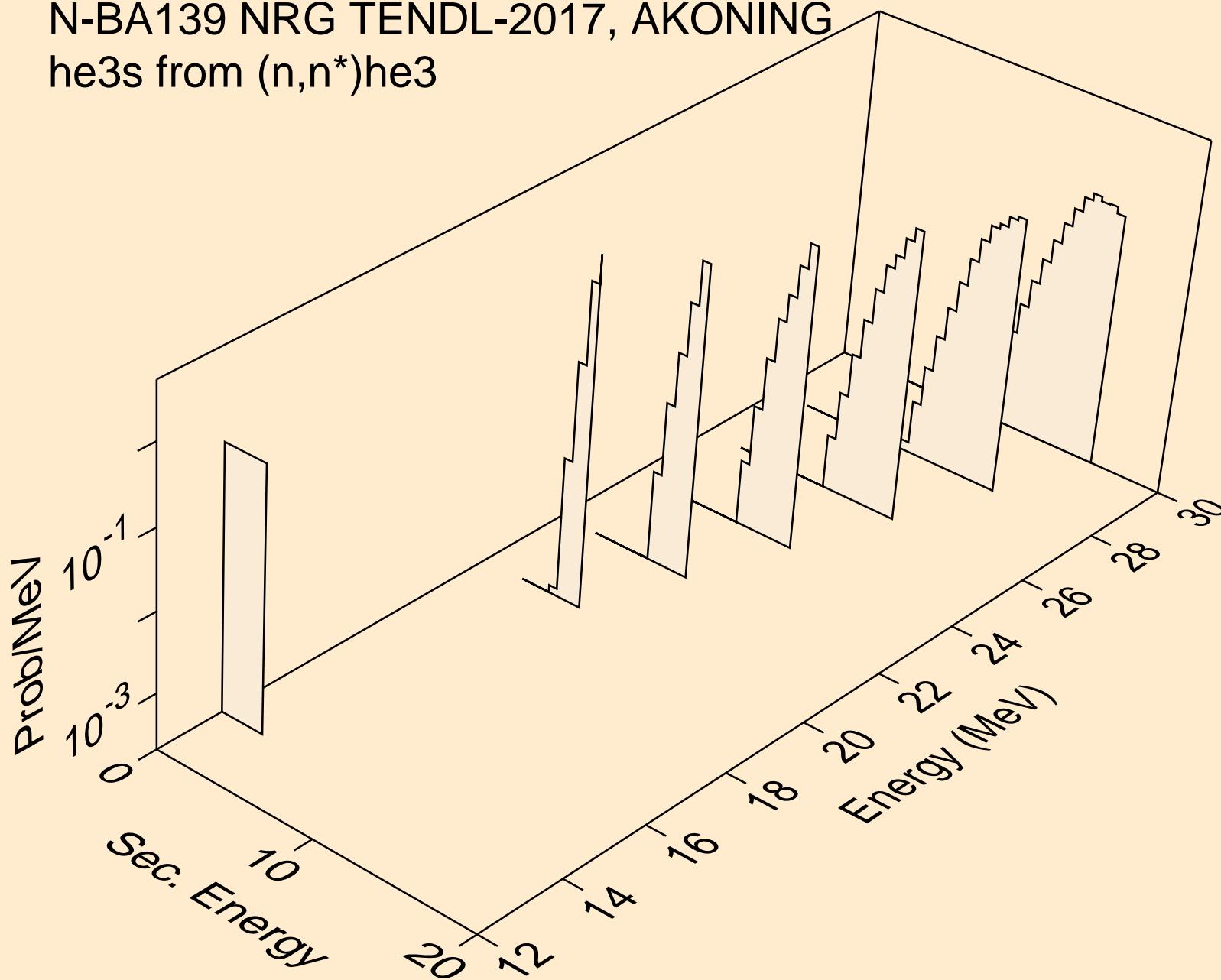
N-BA139 NRG TENDL-2017, AKONING
tritons from (n,pt)



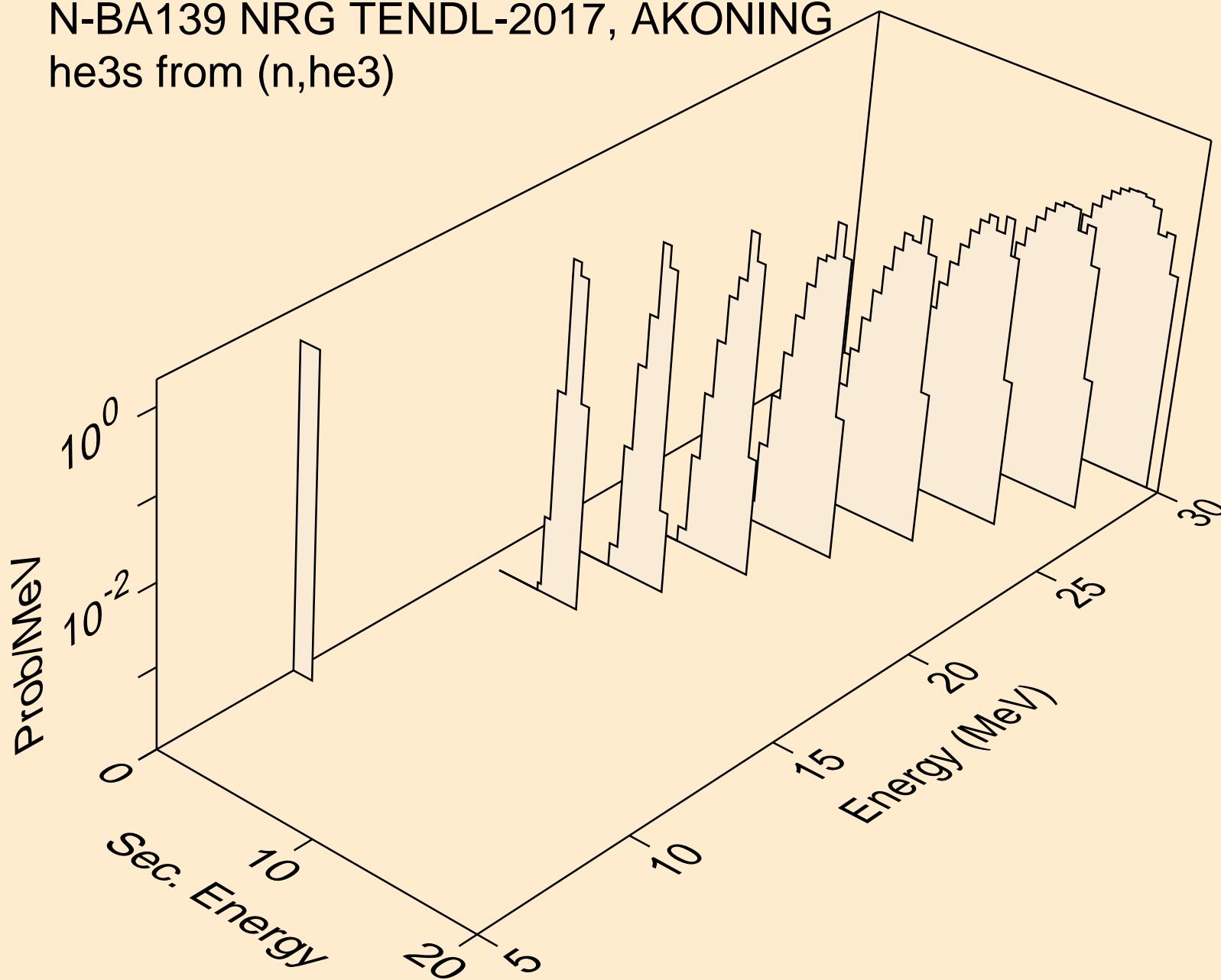
N-BA139 NRG TENDL-2017, AKONING
he3s from (n,x)



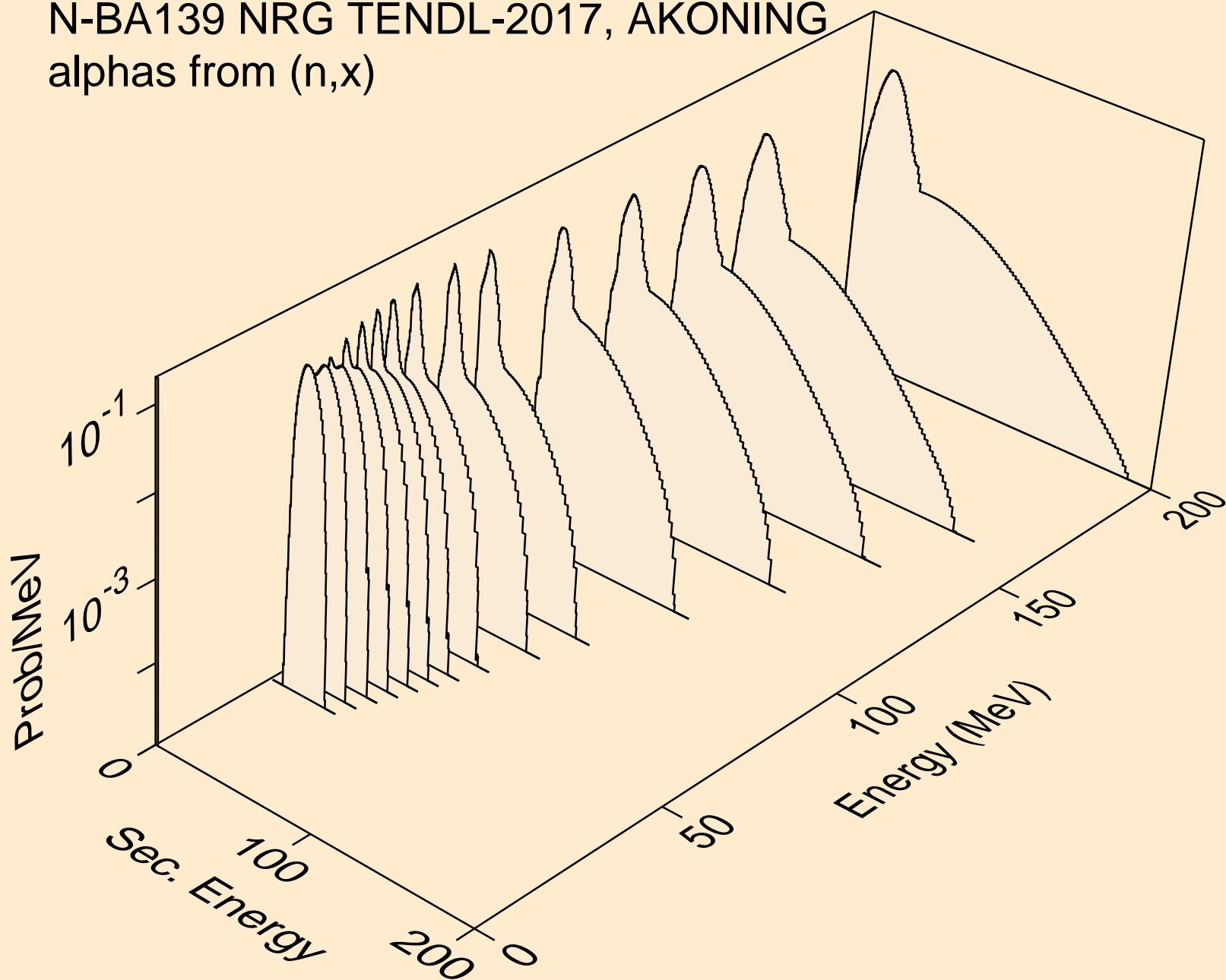
N-BA139 NRG TENDL-2017, AKONING
he3s from $(n,n^*)\text{he3}$



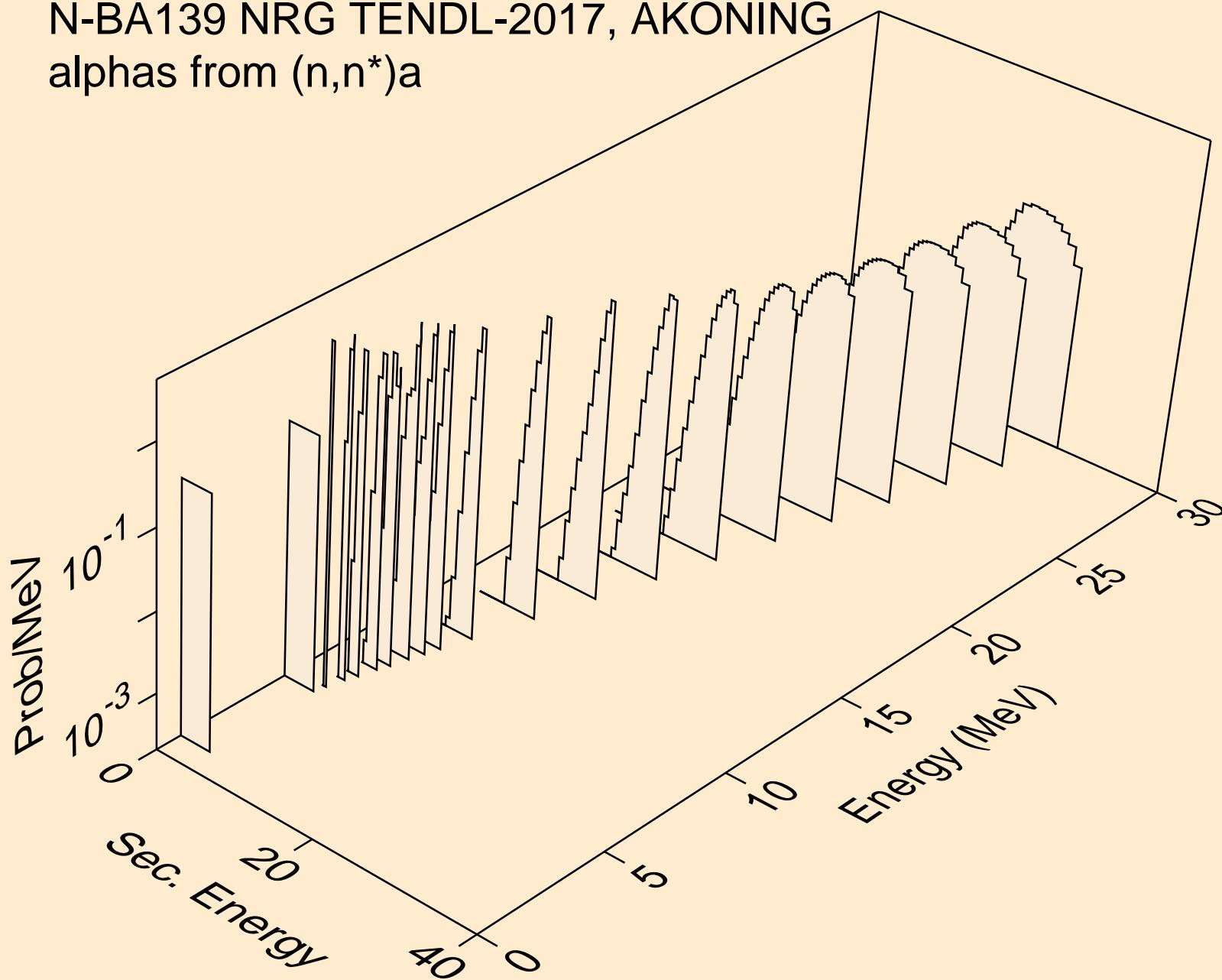
N-BA139 NRG TENDL-2017, AKONING
he3s from (n,he3)



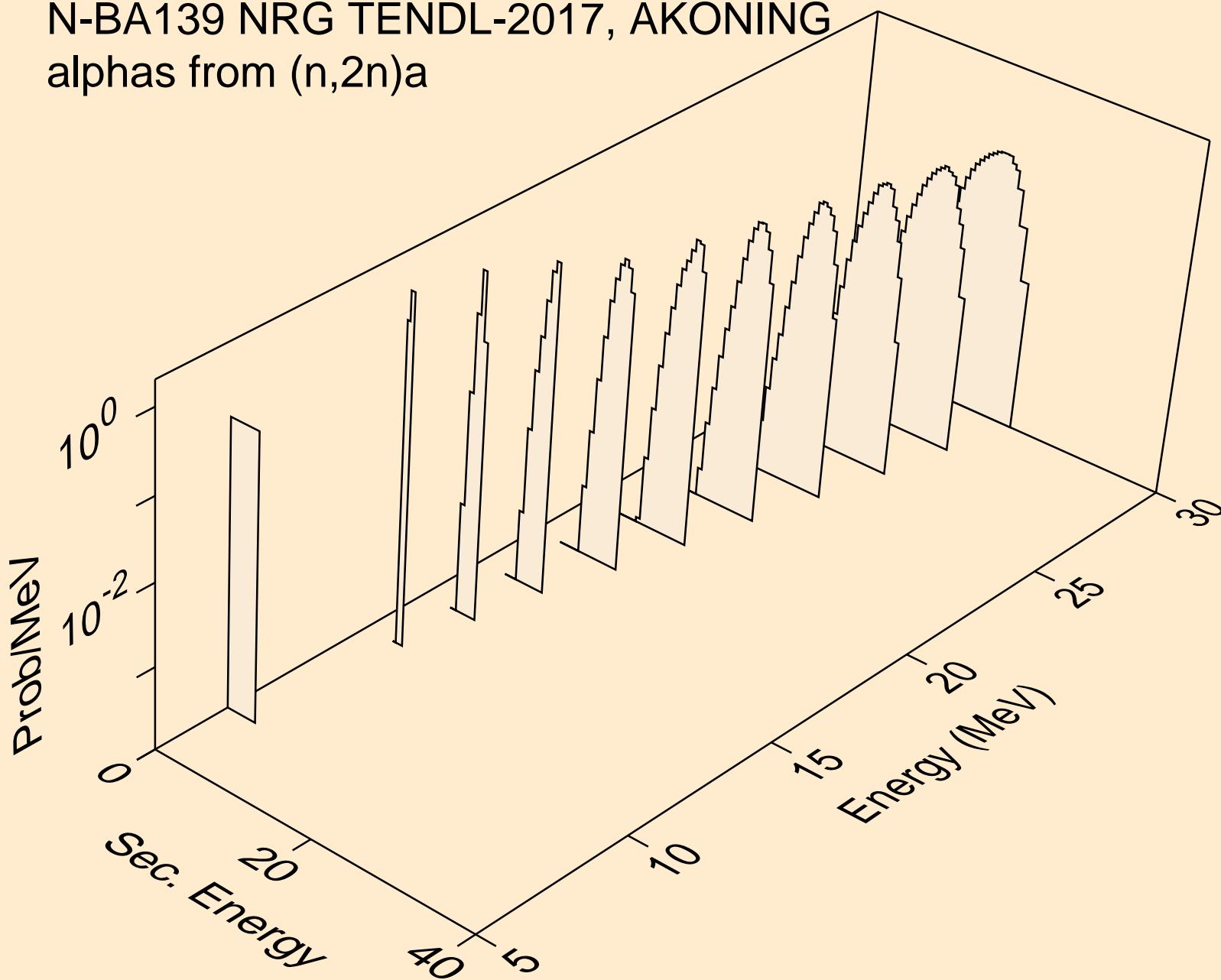
N-BA139 NRG TENDL-2017, AKONING
alphas from (n,x)



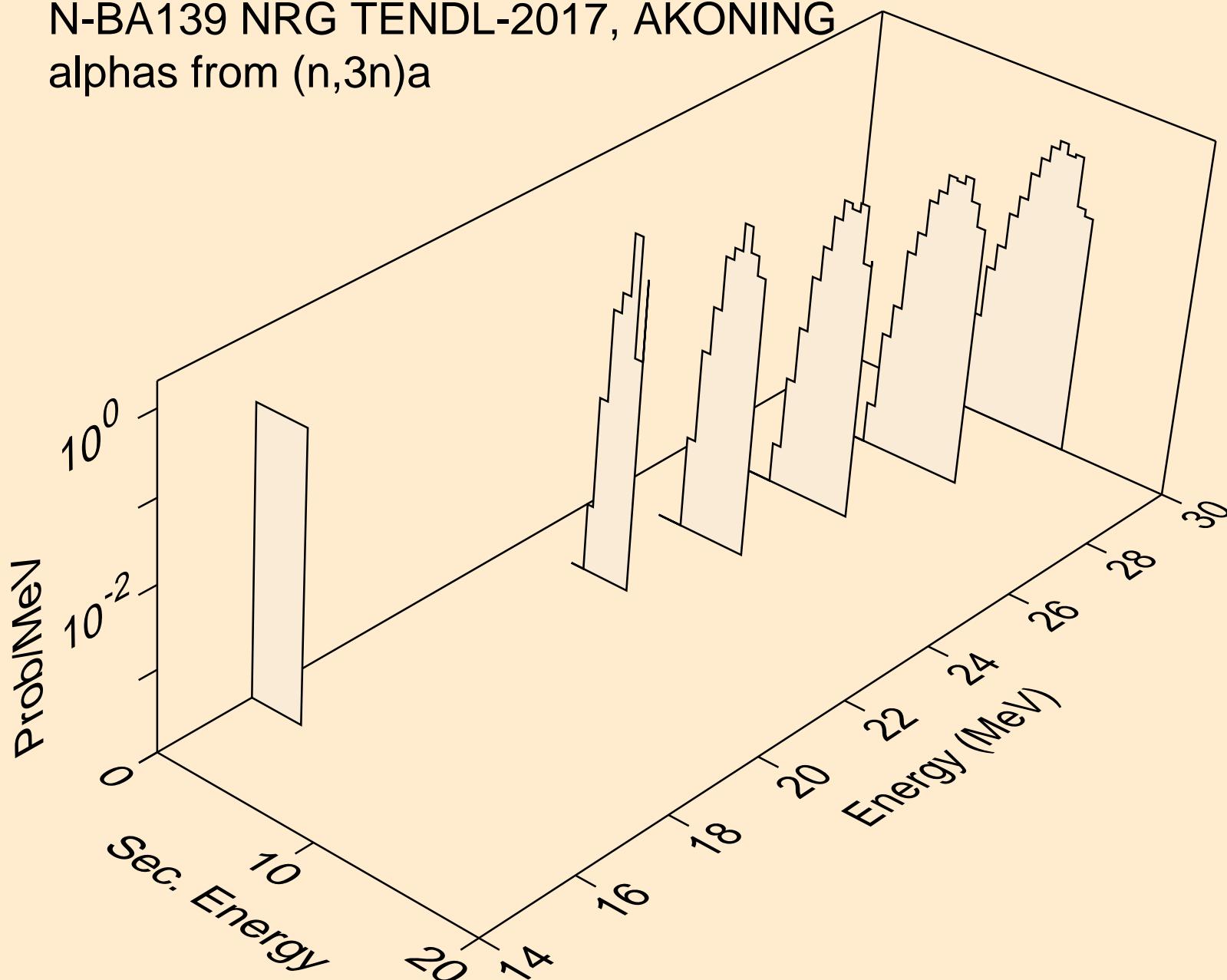
N-BA139 NRG TENDL-2017, AKONING
alphas from $(n,n^*)a$



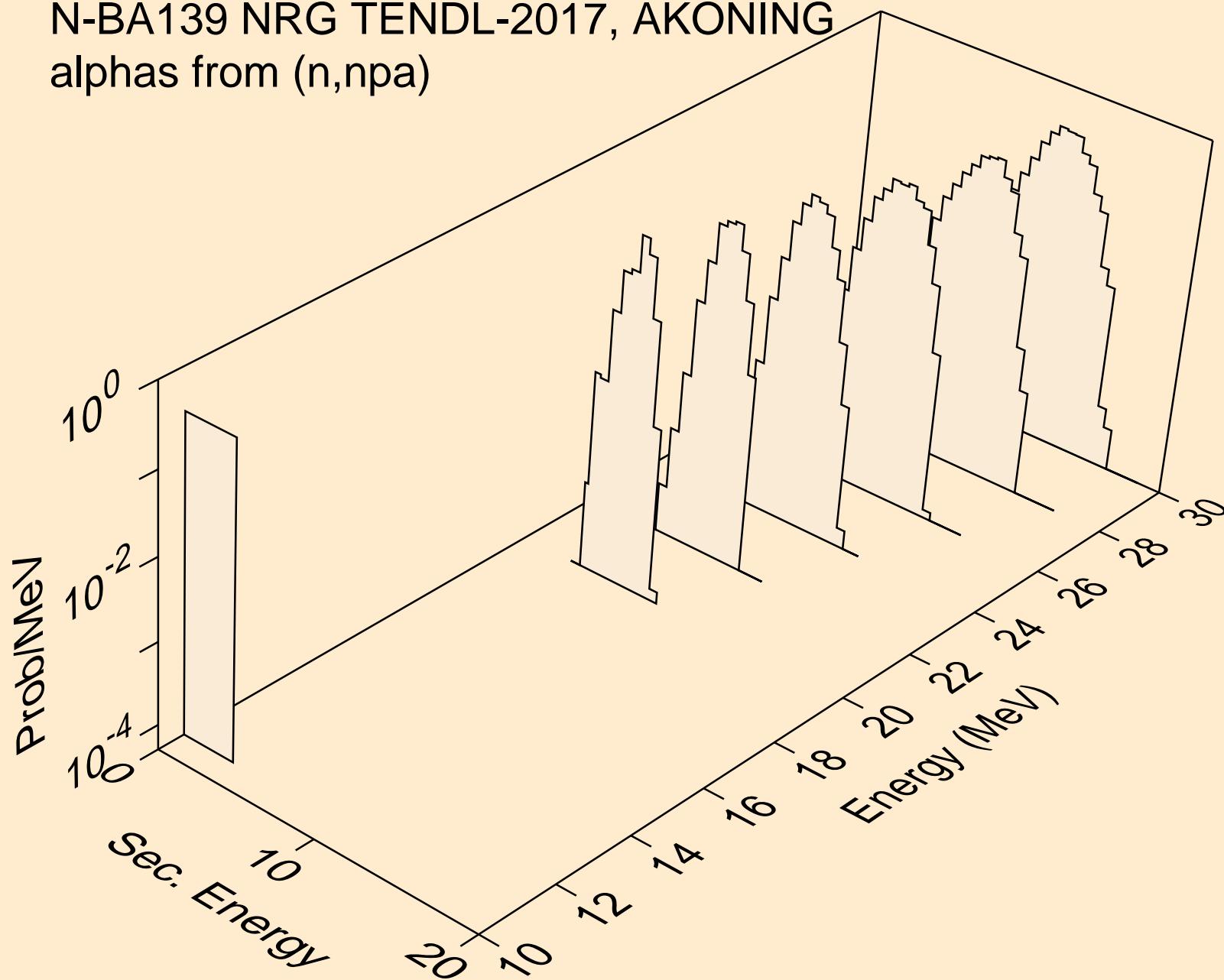
N-BA139 NRG TENDL-2017, AKONING
alphas from ($n,2n$)a



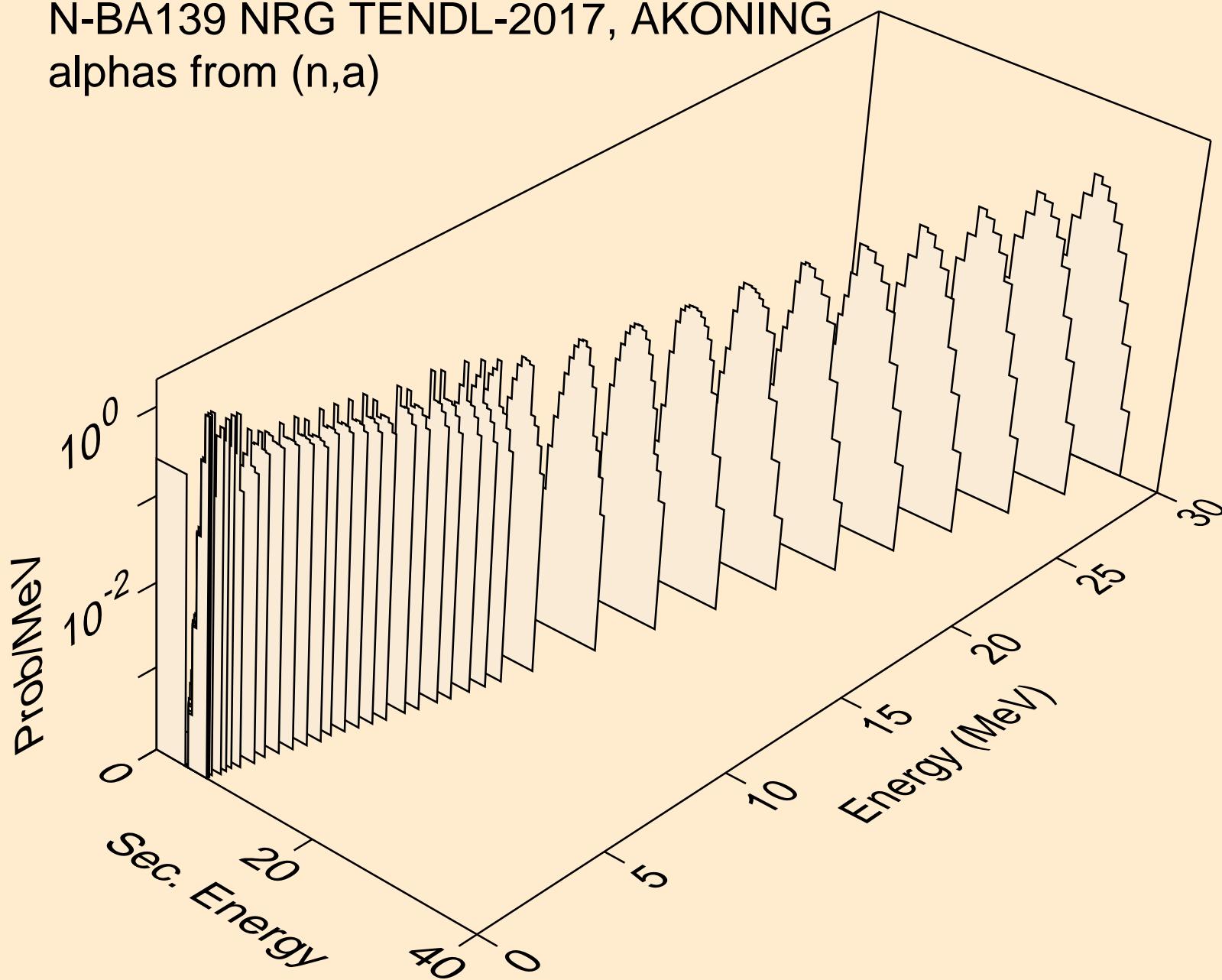
N-BA139 NRG TENDL-2017, AKONING
alphas from ($n,3n$)a



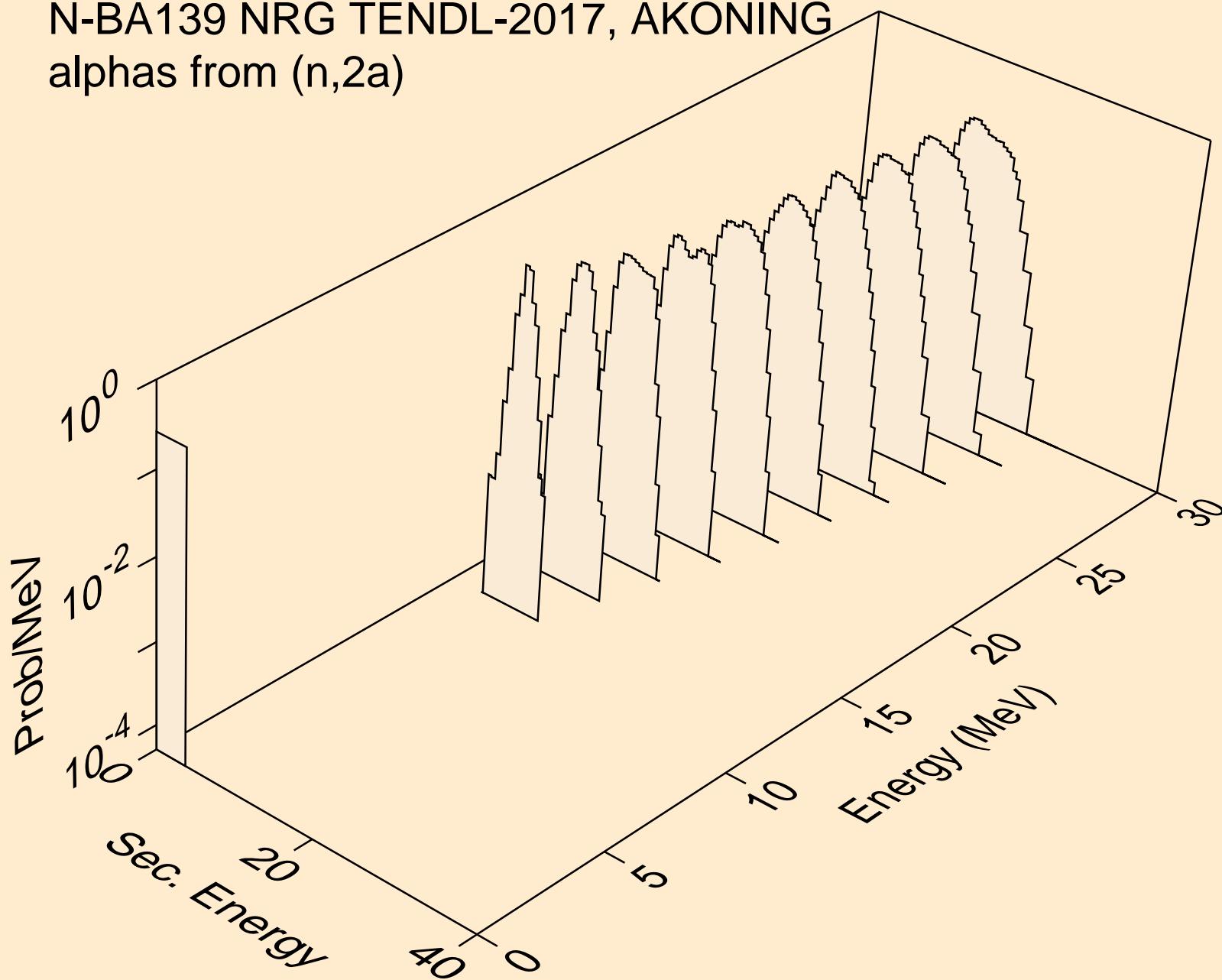
N-BA139 NRG TENDL-2017, AKONING
alphas from (n,npa)



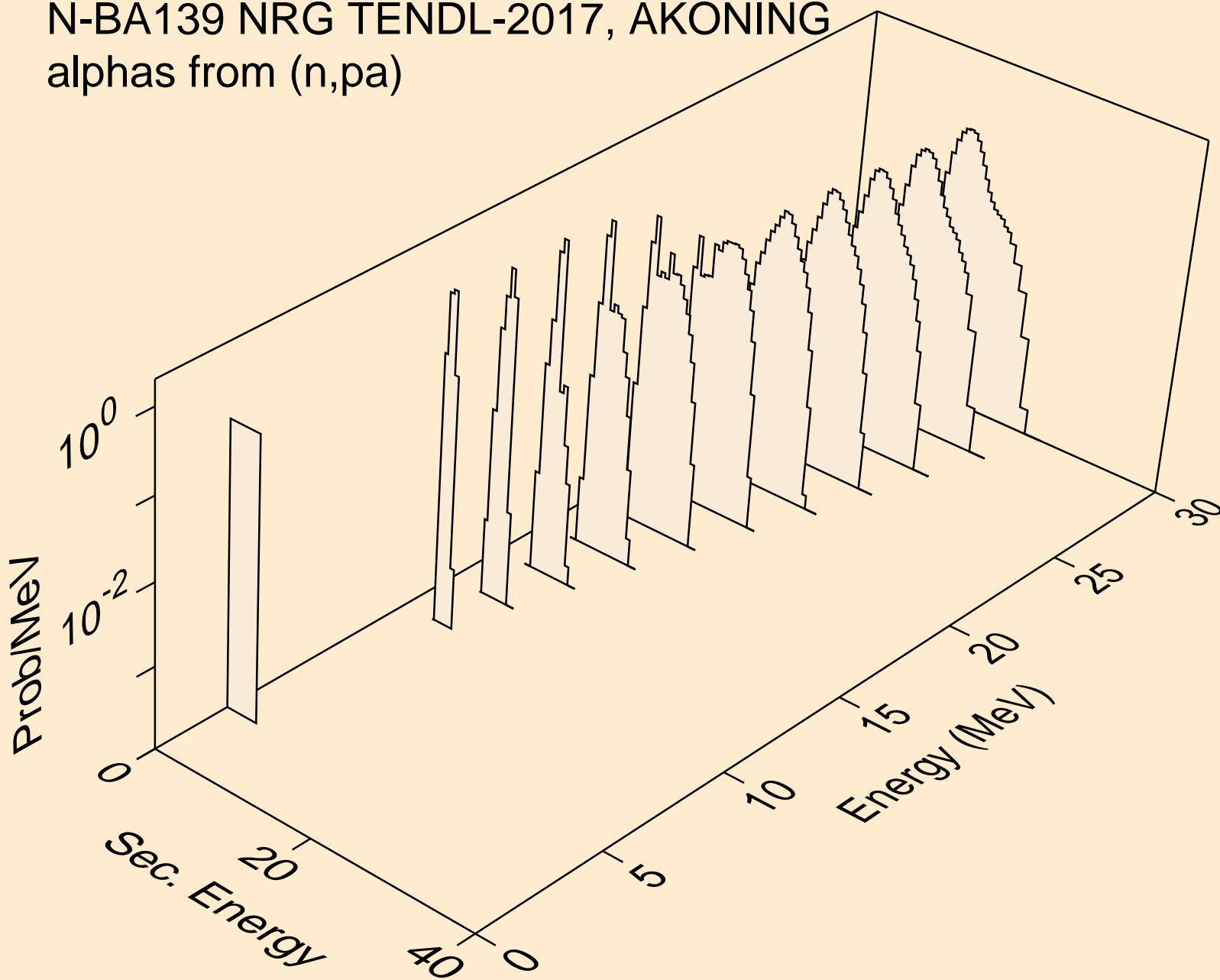
N-BA139 NRG TENDL-2017, AKONING
alphas from (n,a)



N-BA139 NRG TENDL-2017, AKONING
alphas from (n,2a)



N-BA139 NRG TENDL-2017, AKONING
alphas from (n,pa)



N-BA139 NRG TENDL-2017, AKONING
alphas from (n,da)

